



November 5, 2013

File: 185803065

Attention: Luz Rabelo

California Regional Water Quality Control Board – Los Angeles Region
 320 W. 4th Street, Suite 200
 Los Angeles, California 90013

Dear Ms. Rabelo,

Reference: Transmittal of Eastern Property Supplemental Maps, Remedial Action Plan/Response Plan, Former Powerine Refinery Parcels 8009-022-053, -054, -055, -056, -057, and -058, 12345 Lakeland Road, Santa Fe Springs, CA

Per Greg Bishop's request during our October 21, 2013 meeting in the Water Board's offices, attached are supplemental maps showing the detailed analytical results for the chemicals of concern (COCs) in shallow soil on the Eastern Property of the former Powerine Refinery site. These maps are provided as a supplement to Appendix E of the subject RAP to assist the Water Board in its review of the Remedial Action Plan/Response Plan (RAP), Former Powerine Refinery Parcels 8009-022-053, -054, -055, -056, -057, and -058, 12345 Lakeland Road, Santa Fe Springs, California.

This submittal supplements the maps presented in Appendix E of the Draft RAP. For each site subsection area of the Eastern Property (Subsections B, C, F and G), the following maps are provided:

- Site plan showing subsection area proposed shallow soil excavations, driving COCs and depths of excavation (Figures E1, E2, E3, and E4)
- Arsenic results, highlighted where they exceed the shallow soil TRC of 13 mg/kg with planned soil excavation overlays (Figures E1a, E2a, E3a, and E4a)
- Lead results, highlighted where they exceed the shallow soil TRC of 320 mg/kg with planned soil excavation overlays (note lead concentrations exceeding 320 mg/kg at individual locations do not necessarily drive excavation at those locations; see the discussion below) (Figures E1b, E2b, E3b, and E4b)
- Benzene results, highlighted where they exceed the shallow soil TRC of 4 mg/kg with planned soil excavation overlays (only provided for Risk Area 2; which is located in portions of subsections B and C only) (Figures E1c and E2c)
- Dibenzo (a,h) anthracene results, highlighted where they exceed the shallow soil TRC of 0.6 mg/kg with planned soil excavation overlays (only provided for Risk Area 2; which is located in parts of subsections B and F only) (Figures E1d and E3c)
- TPH gasoline range organics (TPHg) results, highlighted where they exceed the shallow soil TRC of 2,500 mg/kg with planned soil excavation overlays (Figures E1e, E2d, E3d, and E4c)



November 5, 2013

Luz Rabelo

Page 2 of 2

Reference: Transmittal of Eastern Property Supplemental Maps,

- TPH diesel range organics (TPHd) results, highlighted where they exceed the shallow soil TRC of 5,000 mg/kg with planned soil excavation overlays (Figures E1f, E2e, E3e, and E4d)
- TPH motor oil range organics (TPHmo) results, highlighted where they exceed the shallow soil TRC of 10,000 mg/kg (Figures E1g, E2f, E3f, and E4e)

The purpose of the supplemental maps is to provide the Water Board with depictions of the posted results for each COC superimposed with the planned shallow soil excavations so that the Water Board can verify that all areas requiring excavation are being addressed. The maps demonstrate that all locations with shallow soil COC concentrations exceeding the target remediation criteria (TRCs) are being addressed through excavation. Please note that lead was treated specially in the risk assessment (see Section 4.1.3 and Appendix B of the RAP). Not all individual locations exceeding the lead TRC of 320 mg/kg will be excavated. As discussed in the RAP, a large portion of the points with lead exceedances will be removed along with removals driven by other COCs (e.g., total petroleum hydrocarbon – diesel range organics [TPHd]); and this, coupled with removal at two locations driven solely by lead exceedances (S-148 and S-150), results in a 95% upper confidence limit (UCL) of the mean below the lead TRC for remaining soil.

We expect that submission of this supplemental information will address Mr. Bishop's request. If you have any further questions, please contact me directly.

Regards,

A handwritten signature in black ink that reads "Richard J. Newill".

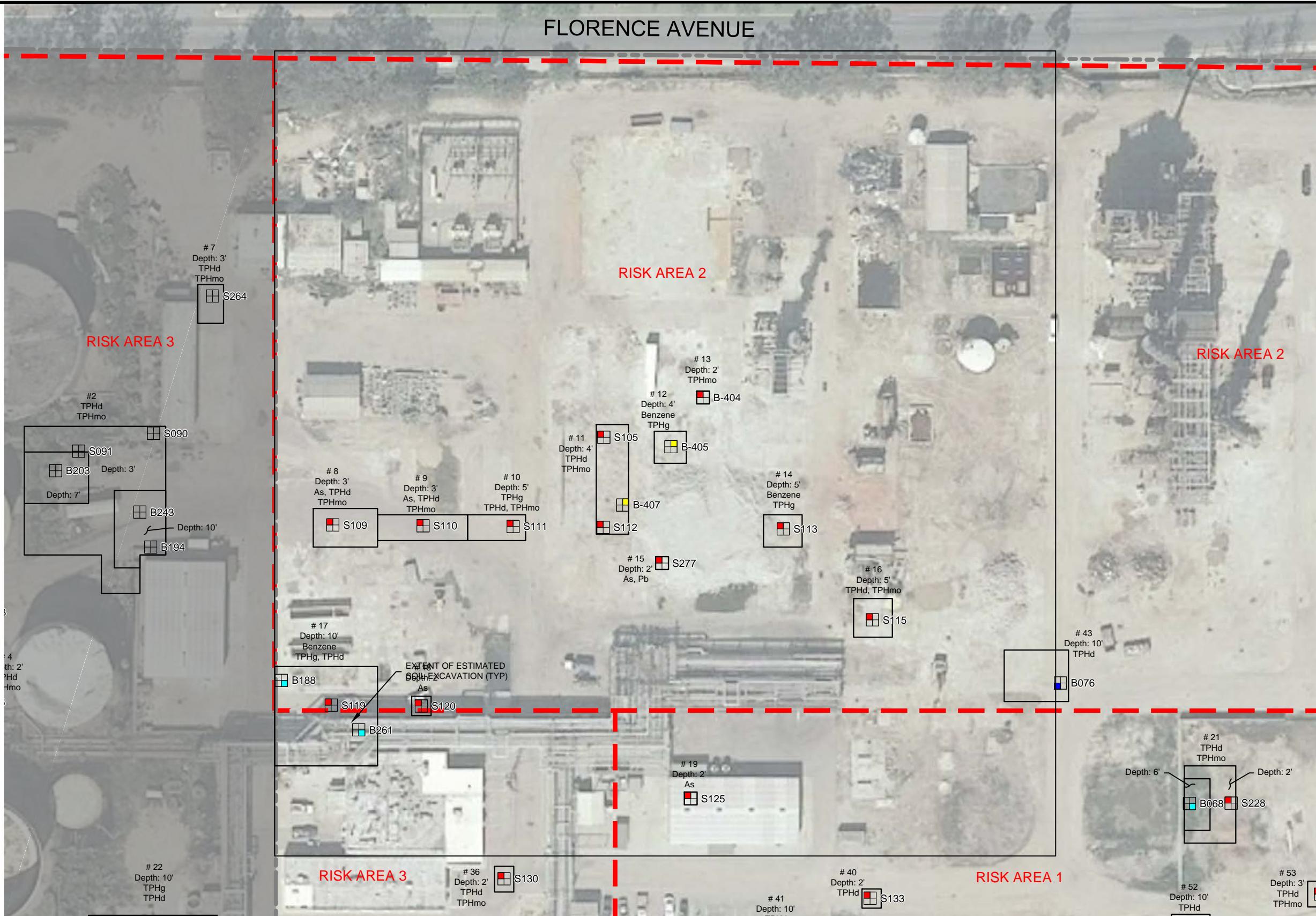
Richard Newill, PG
Principal Hydrogeologist
Phone: 909-289-9128
Richard.newill@stantec.com

Attachment: Eastern Property Supplemental Maps, Remedial Action Plan/Response Plan, Former Powerine Refinery Parcels 8009-022-053, -054, -055, -056, -057, and -058 12345 Lakeland Road, Santa Fe Springs, CA

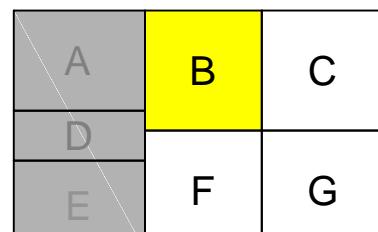
- c. Lang Cottrell, Alan Tuntland, Goodman Birtcher
Preston Brooks, Cox Castle & Nicholson

nr document2

FLORENCE AVENUE



FLORENCE AVENUE



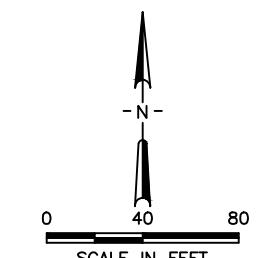
BLOOMFIELD AVENUE

LAKELAND ROAD
KEYMAP FOR SITE SECTIONS

REPORTING LIMITS

ARSENIC (As)	\geq	13.0	mg/kg
BENZENE	\geq	4.0	mg/kg
DIBENZO (D(a,h)a)	\geq	0.6	mg/kg
LEAD (Pb)	\geq	320*	mg/kg
TPHg	\geq	2,500	mg/kg
TPHd	\geq	5,000	mg/kg
TPHmo	\geq	10,000	mg/kg

*SEE EXPLANATION IN SECTION 4.2



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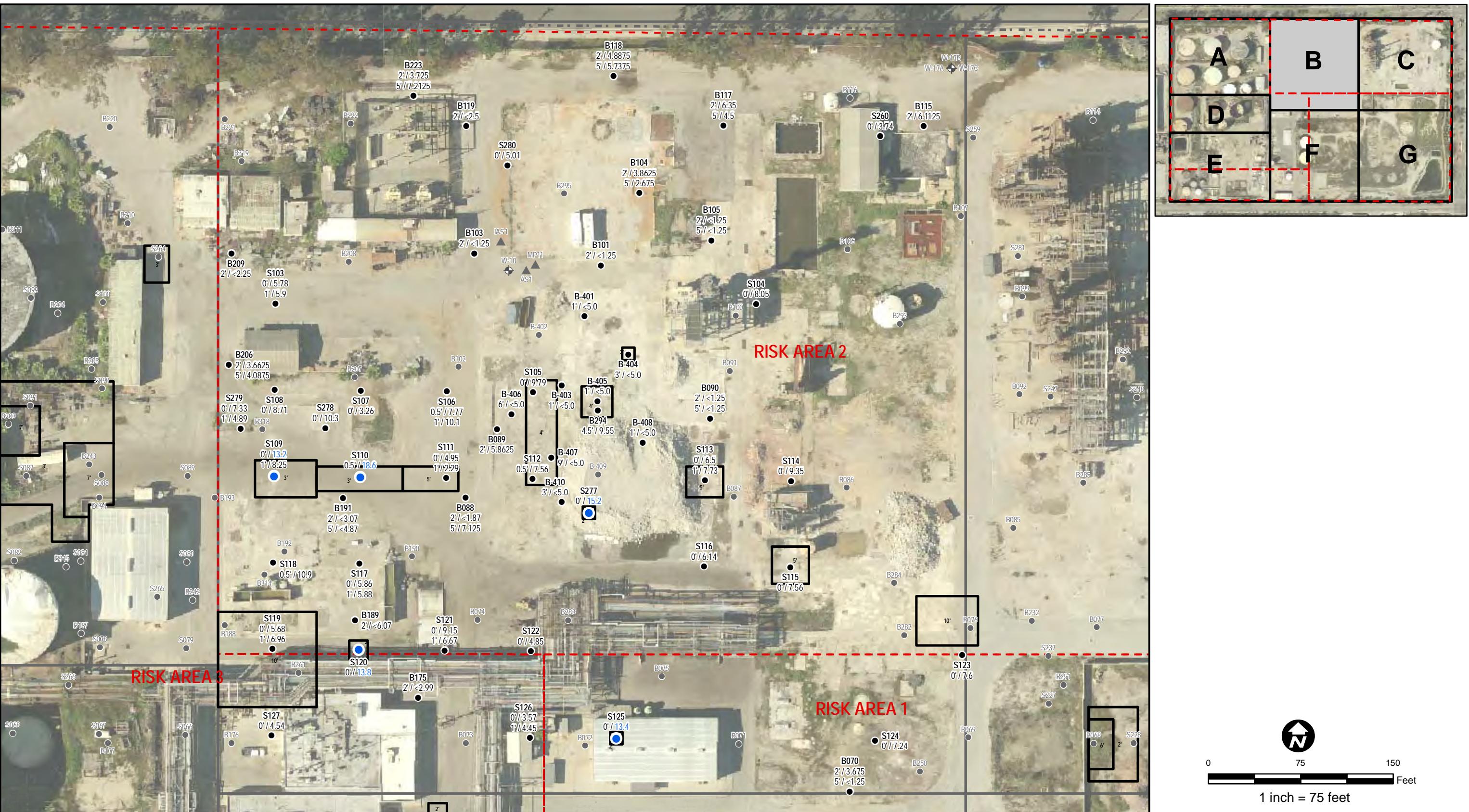
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REDLANDS, CALIFORNIA 92374
PHONE: (909) 335-6116 FAX: (909) 556-6516

FOR:
FORMER POWERINE REFINERY
PARCELS 8009-022-053, 054, 055, 056, 057 & 058
13345 LAKELAND ROAD
SANTA FE SPRINGS, CALIFORNIA

JOB NUMBER: 185803065 DRAWN BY: JBL CHECKED BY: RN APPROVED BY: KM DATE: 08/13/13

SITE PLAN SHOWING
SITE SECTION 'B' PROPOSED
SHALLOW SOIL EXCAVATION

E1



Legend

- Sample Location with ID
- Pilot Test Well Location with ID
- ▲ Monitoring Well location with ID
- - - Site Property/Boundary Line
- - - Risk Area Boundary
- Excavation Areas
- Analytical
- Detected Concentration Exceeds TRC
- Detected Concentration Below TRC

Notes

- 1) Location ID
Depth (ft) / Result (mg/kg)
- 2) Target Remediation Criterion (TRC)
Arsenic - 13.0 mg/kg



FOR:
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12345 LAKELAND ROAD
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25864-F

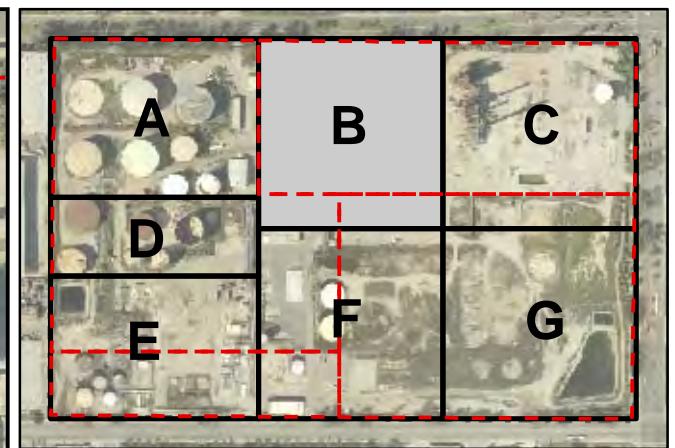
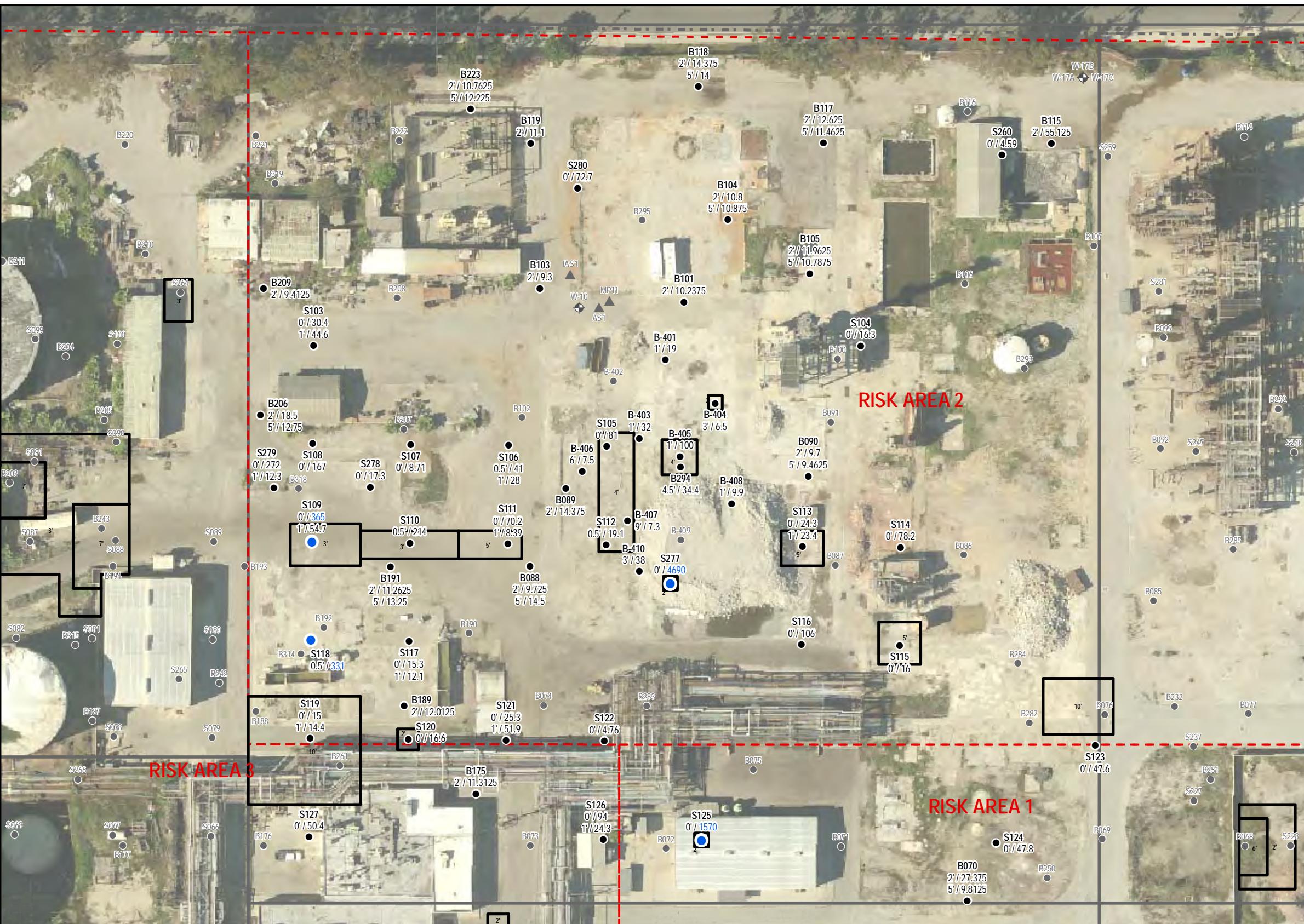
FIGURE:
ARSENIC
SUBSECTION B
E1a

JOB NUMBER: 185803065 DRAWN BY: TF

CHECKED BY: RN

APPROVED BY: RN

DATE: 10/31/13



Legend

- Sample Location with ID
- Pilot Test Well Location with ID
- ▲ Monitoring Well location with ID
- - - Site Property/Boundary Line
- Risk Area Boundary
- Excavation Areas
- Analytical
- Detected Concentration Exceeds TRC
- Detected Concentration Below TRC

Notes

- 1) Location ID
Depth (ft) / Result (mg/kg)
- 2) Target Remediation Criterion (TRC)
Lead - 320 mg/kg

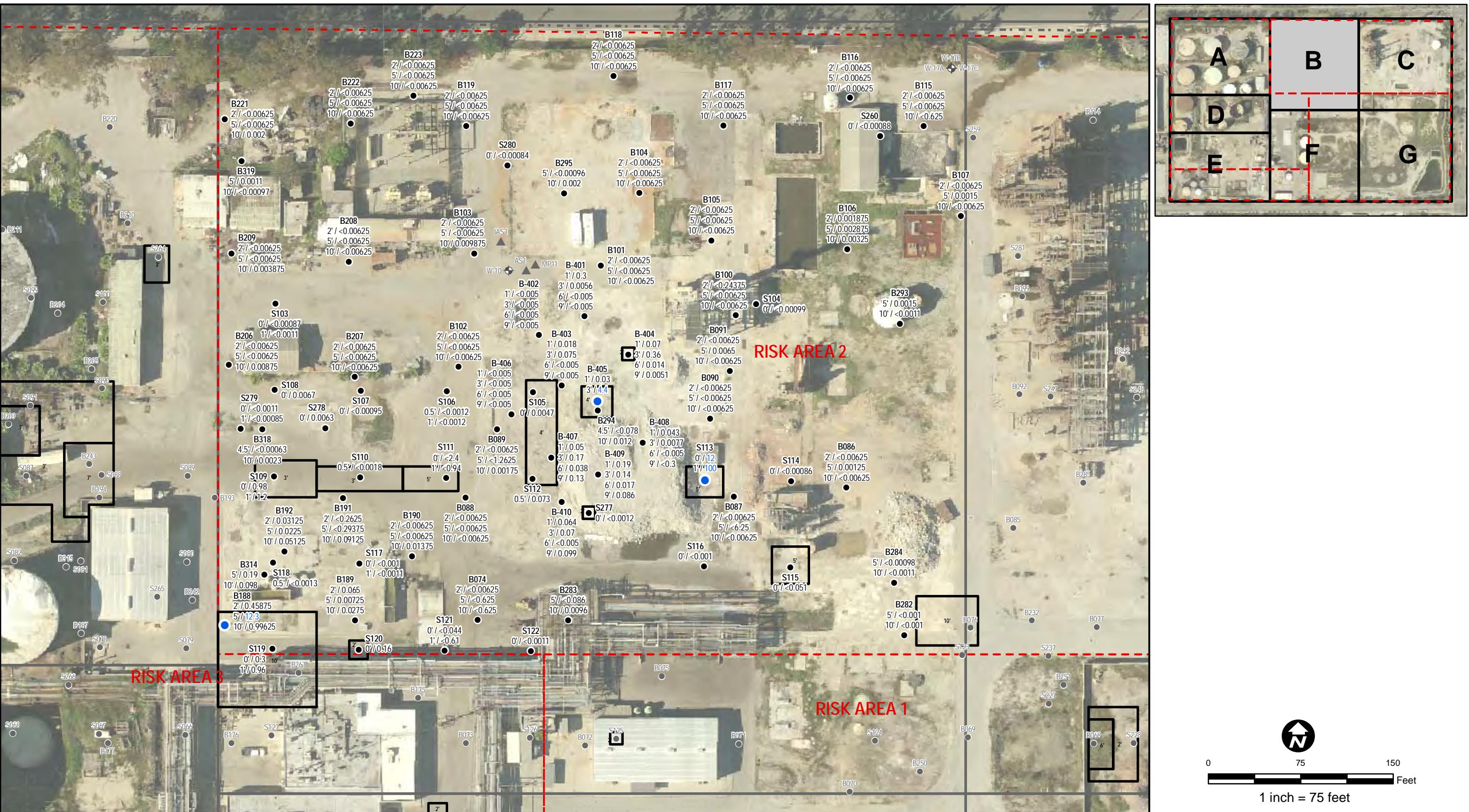


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**LEAD
SUBSECTION B**

**FIGURE:
E1b**

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185803065	TF	RN	RN	10/31/13



Legend

- Sample Location with ID
- Pilot Test Well Location with ID
- ▲ Monitoring Well location with ID
- - - Site Property/Boundary Line
- - - Risk Area Boundary
- Excavation Areas
- Analytical
- Detected Concentration Exceeds TRC
- Detected Concentration Below TRC

Notes

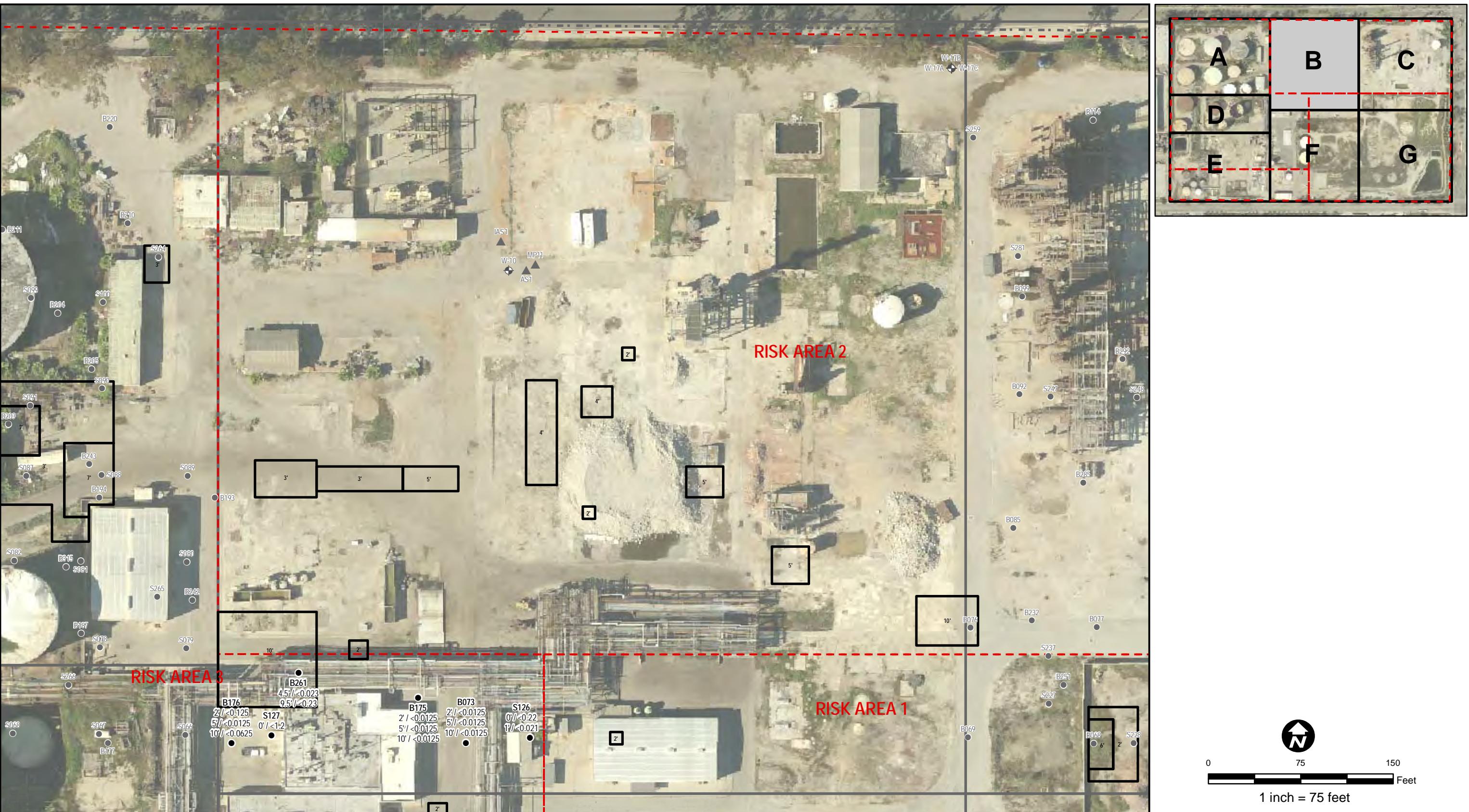
- 1) Location ID
Depth (ft) / Result (mg/kg)
- 2) Target Remediation Criterion (TRC)
Benzene - 4.0 mg/kg



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 12345 LAKELAND ROAD
 SANTA FE SPRINGS, CALIFORNIA

JOB NUMBER: 185803065 DRAWN BY: TF CHECKED BY: RN APPROVED BY: RN DATE: 10/31/13



Legend

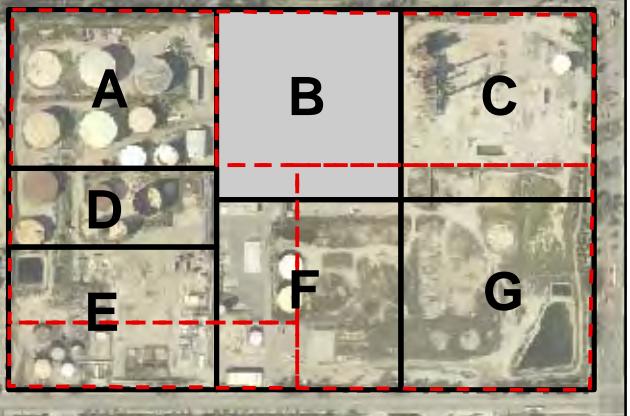
- Sample Location with ID
- Pilot Test Well Location with ID
- ▲ Monitoring Well location with ID
- - - Site Property/Boundary Line
- - - Risk Area Boundary
- Excavation Areas
- Analytical
- Detected Concentration Exceeds TRC
- Detected Concentration Below TRC

Notes

- 1) Location ID
Depth (ft) / Result (mg/kg)
- 2) Target Remediation Criterion (TRC)
Dibenzo (a,h) Anthracene - 0.6 mg/kg



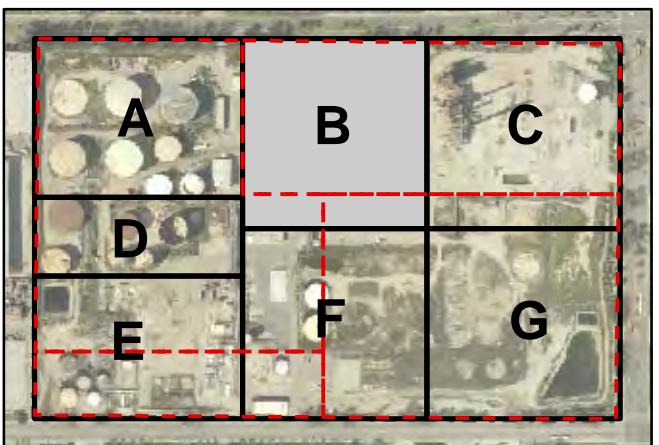
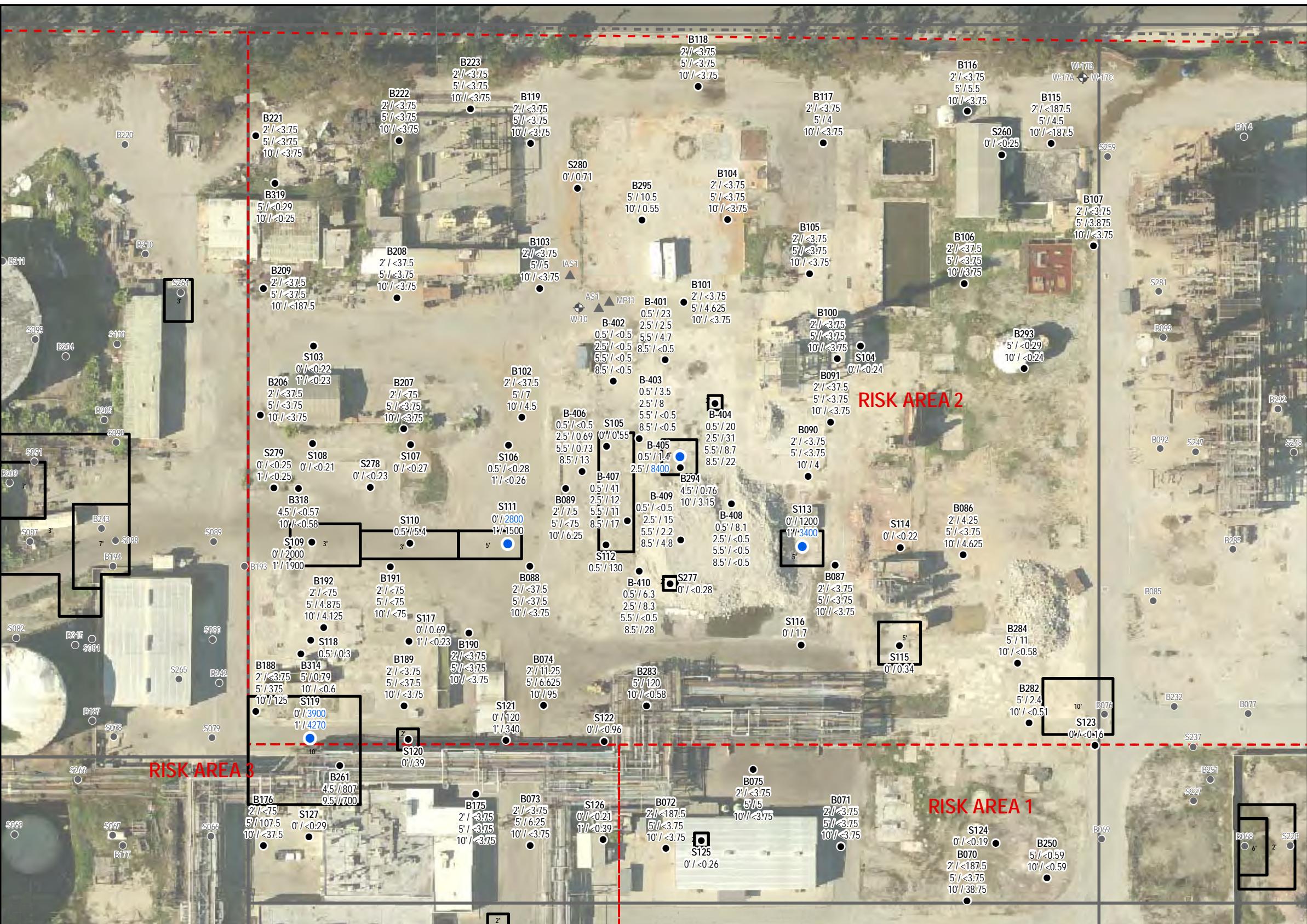
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DIBENZO (A,H) ANTHRACENE SUBSECTION B

CHECDED BY: RN	APPROVED BY: RN	DATE: 10/31/13
JOB NUMBER: 185803065	DRAWN BY: TF	

FIGURE:
E1d



Legend

- Sample Location with ID
- Pilot Test Well Location with ID
- ▲ Monitoring Well location with ID
- - - Site Property/Boundary Line
- Risk Area Boundary
- Excavation Areas
- Analytical
- Detected Concentration Exceeds TRC
- Detected Concentration Below TRC

Notes

- 1) Location ID
Depth (ft) / Result (mg/kg)
- 2) Target Remediation Criterion (TRC)
TPHg - 2,500 mg/kg



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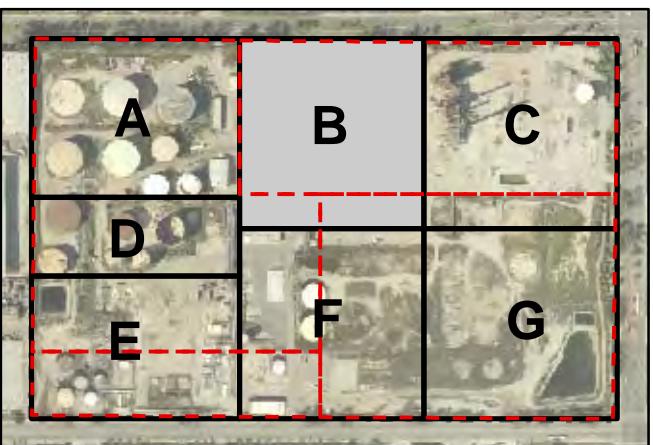
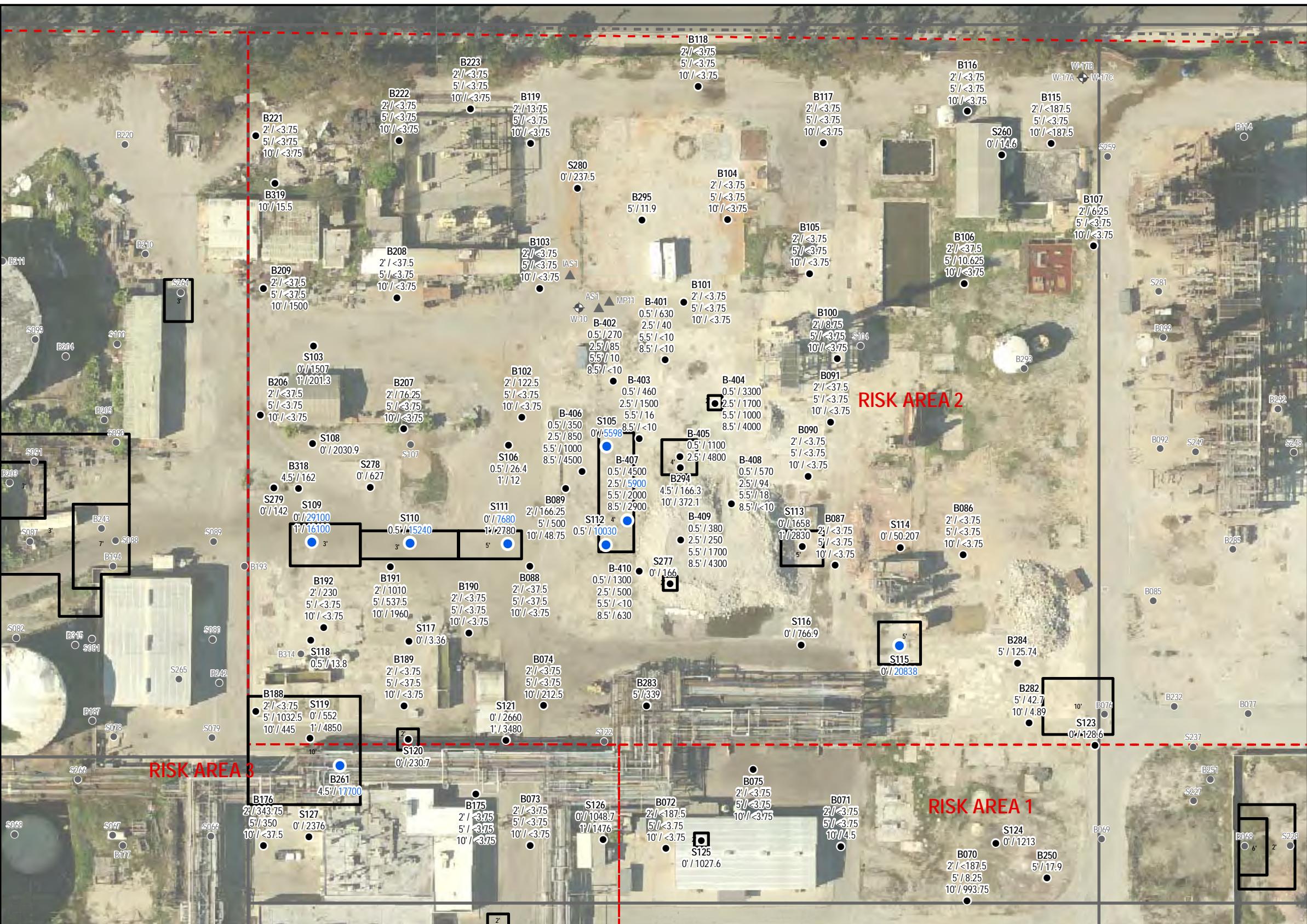
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SANTA FE SPRINGS, CALIFORNIA

JOB NUMBER: 185803065 DRAWN BY: TF

TPH GASOLINE
SUBSECTION B

FIGURE:
E1e

DATE:
10/31/13



Legend

- Sample Location with ID
- Pilot Test Well Location with ID
- ▲ Monitoring Well location with ID
- - - Site Property/Boundary Line
- Risk Area Boundary
- Excavation Areas
- Analytical
- Detected Concentration Exceeds TRC
- Detected Concentration Below TRC

Notes

- 1) Location ID
Depth (ft) / Result (mg/kg)
- 2) Target Remediation Criterion (TRC)
TPHD - 5,000 mg/kg



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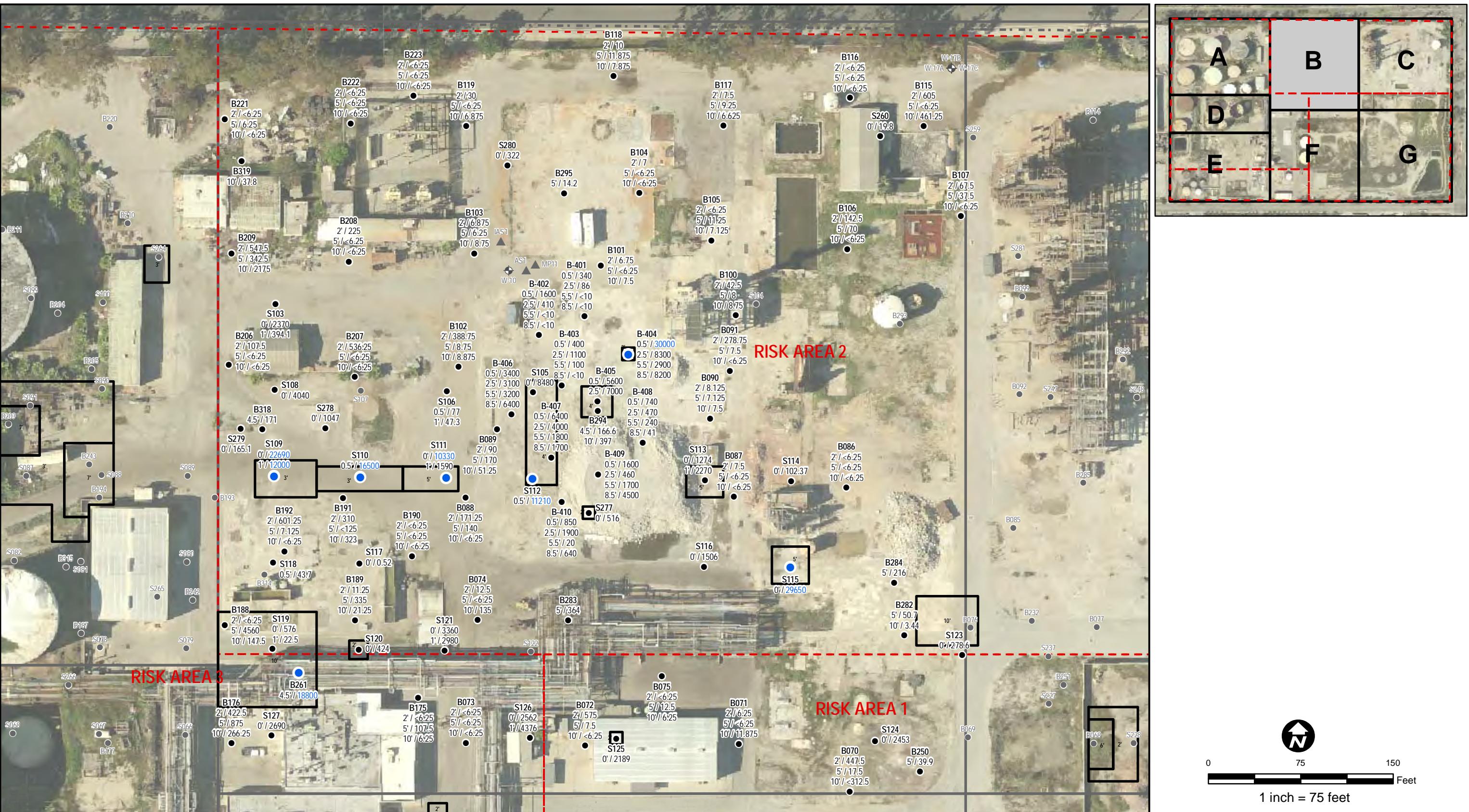
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SANTA FE SPRINGS, CALIFORNIA

JOB NUMBER: 185803065 DRAWN BY: TF

TPH DIESEL
SUBSECTION B

FIGURE:
E1f

DATE:
10/31/13



Legend

- Sample Location with ID
- Pilot Test Well Location with ID
- ▲ Monitoring Well location with ID
- - - Site Property/Boundary Line
- - - Risk Area Boundary
- Excavation Areas
- Analytical
- Detected Concentration Exceeds TRC
- Detected Concentration Below TRC

Notes

- 1) Location ID
Depth (ft) / Result (mg/kg)
- 2) Target Remediation Criterion (TRC)
TPHmo - 10,000 mg/kg

FOR:
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SANTA FE SPRINGS, CALIFORNIA

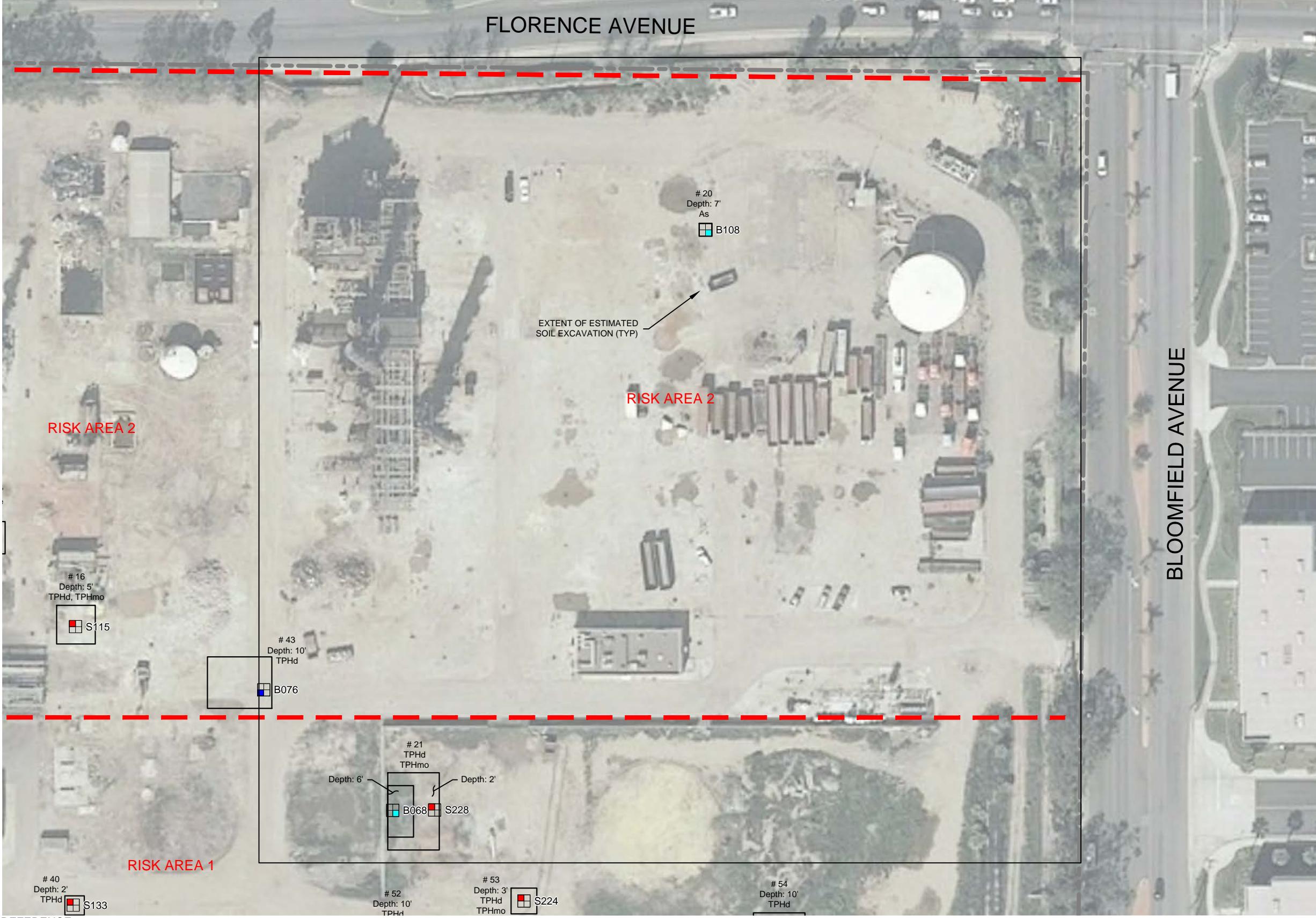
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TPH MOTOR OIL SUBSECTION B

FIGURE: E1g

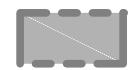
FLORENCE AVENUE



LEGEND:

— SITE PROPERTY/BOUNDARY LINE
— REDEVELOPMENT AREA LINE

OVER REPORTING LIMIT 0.0' - 1.5' BGS OVER REPORTING LIMIT 1.5' - 3.0' BGS
S025 SAMPLE ID
OVER REPORTING LIMIT 6.0' - 10.5' BGS OVER REPORTING LIMIT 3.0' - 6.0' BGS



GRAY SHADED AREA IS FORMER REFINERY PROPERTY NOT ADDRESSED BY THIS RAP



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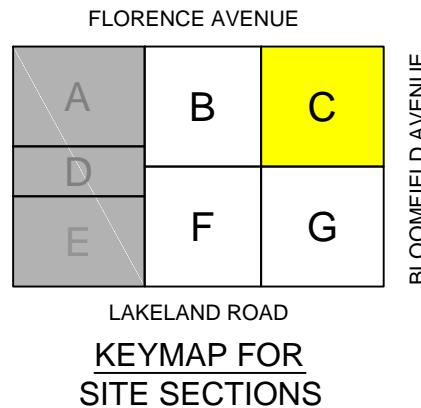
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SITE PLAN SHOWING
SITE SECTION 'C' PROPOSED
SHALLOW SOIL EXCAVATION

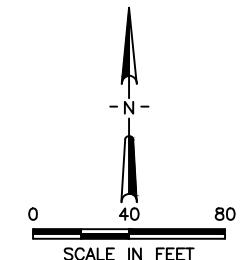
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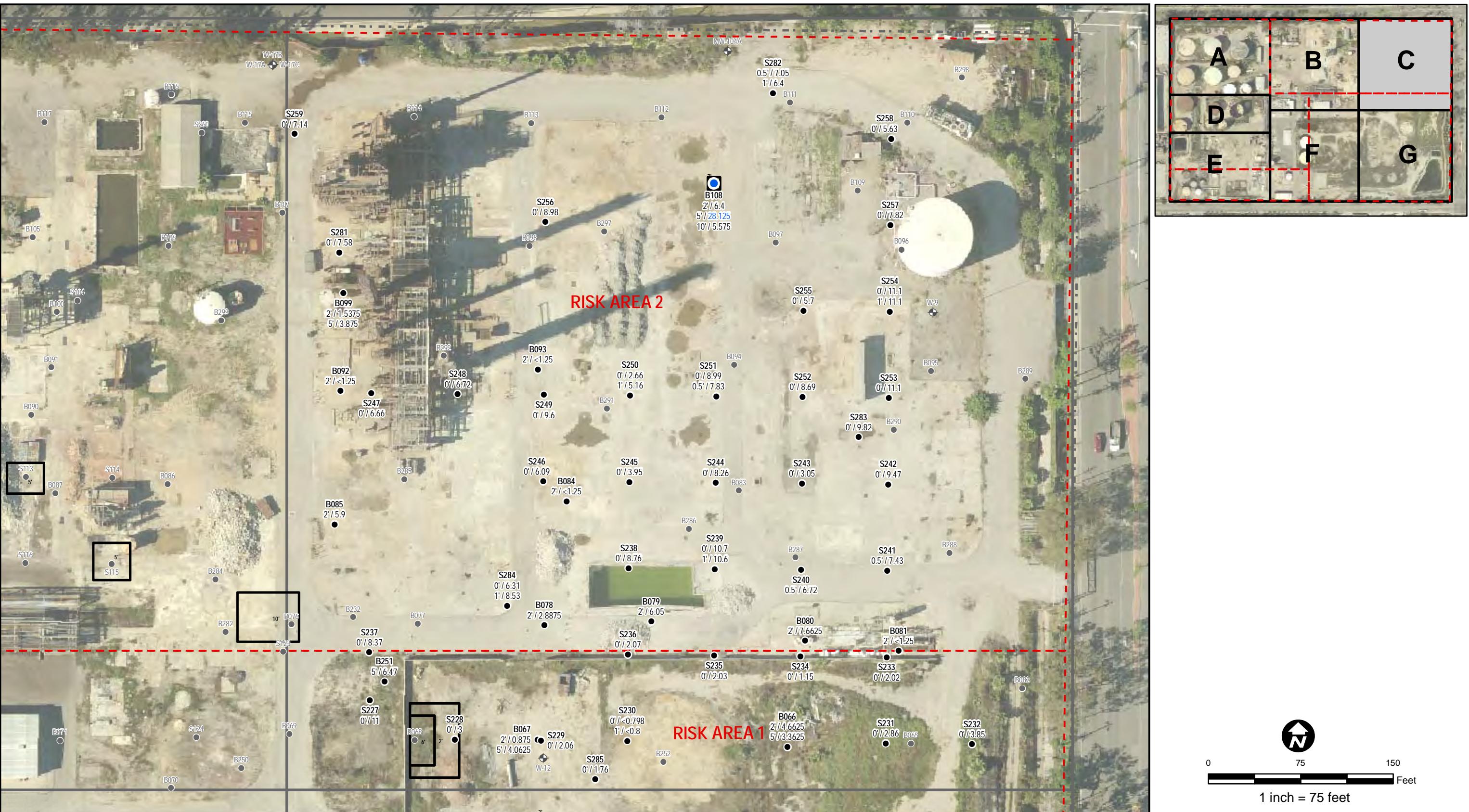


REPORTING LIMITS

ARSENIC (As)	\geq	13.0	mg/kg
BENZENE	\geq	4.0	mg/kg
DIBENZO (D(a,h)a)	\geq	0.6	mg/kg
LEAD (Pb)	\geq	320*	mg/kg
TPHg	\geq	2,500	mg/kg
TPHd	\geq	5,000	mg/kg
TPHmo	\geq	10,000	mg/kg

*SEE EXPLANATION IN SECTION 4.2





Legend

- Sample Location with ID
- Pilot Test Well Location with ID
- ▲ Monitoring Well location with ID
- - - Site Property/Boundary Line
- Excavation Areas
- Analytical
- Detected Concentration Exceeds TRC
- Detected Concentration Below TRC

Notes

- 1) Location ID
Depth (ft) / Result (mg/kg)
- 2) Target Remediation Criterion (TRC)
Arsenic - 13.0 mg/kg



FOR:
FORMER POWERINE REFINERY
PARCELS 8009-022-053, 054, 055, 056, 057 & 058
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SANTA FE SPRINGS, CALIFORNIA
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REDLANDS, CALIFORNIA 92374
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JOB NUMBER: 185803065

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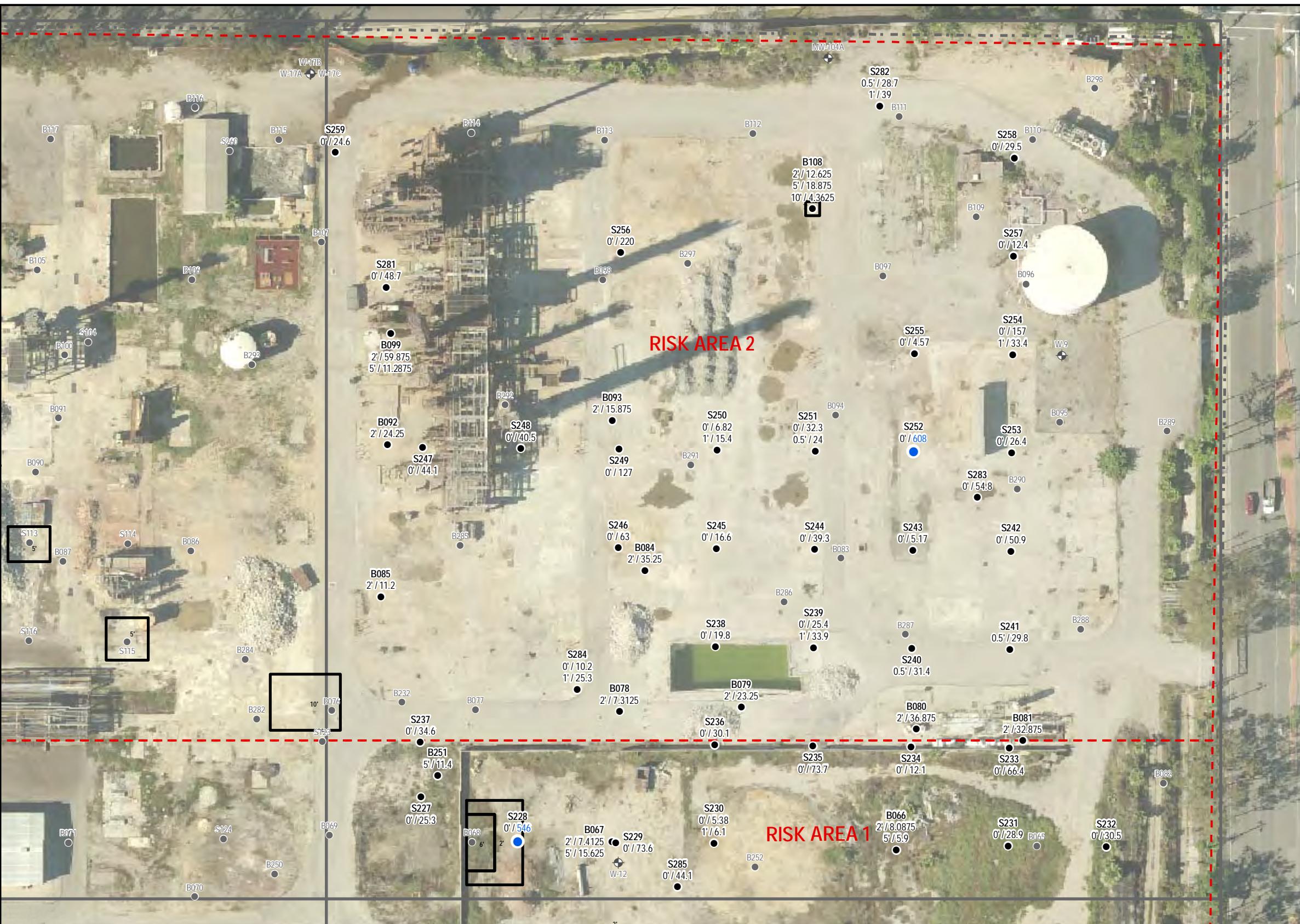
CHECKED BY: RN

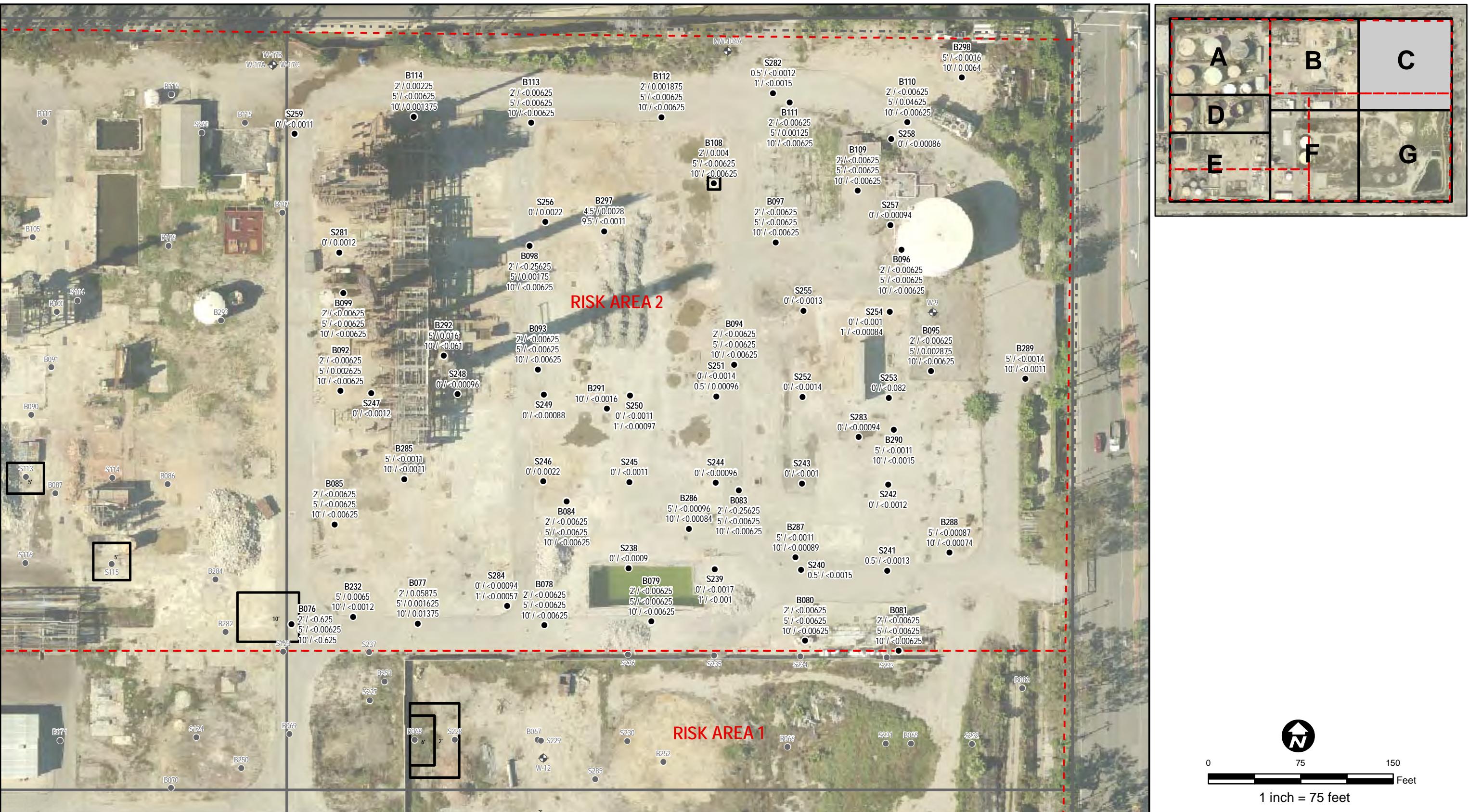
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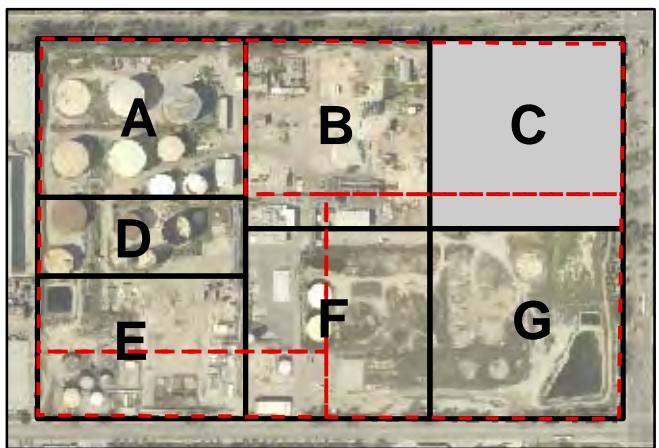
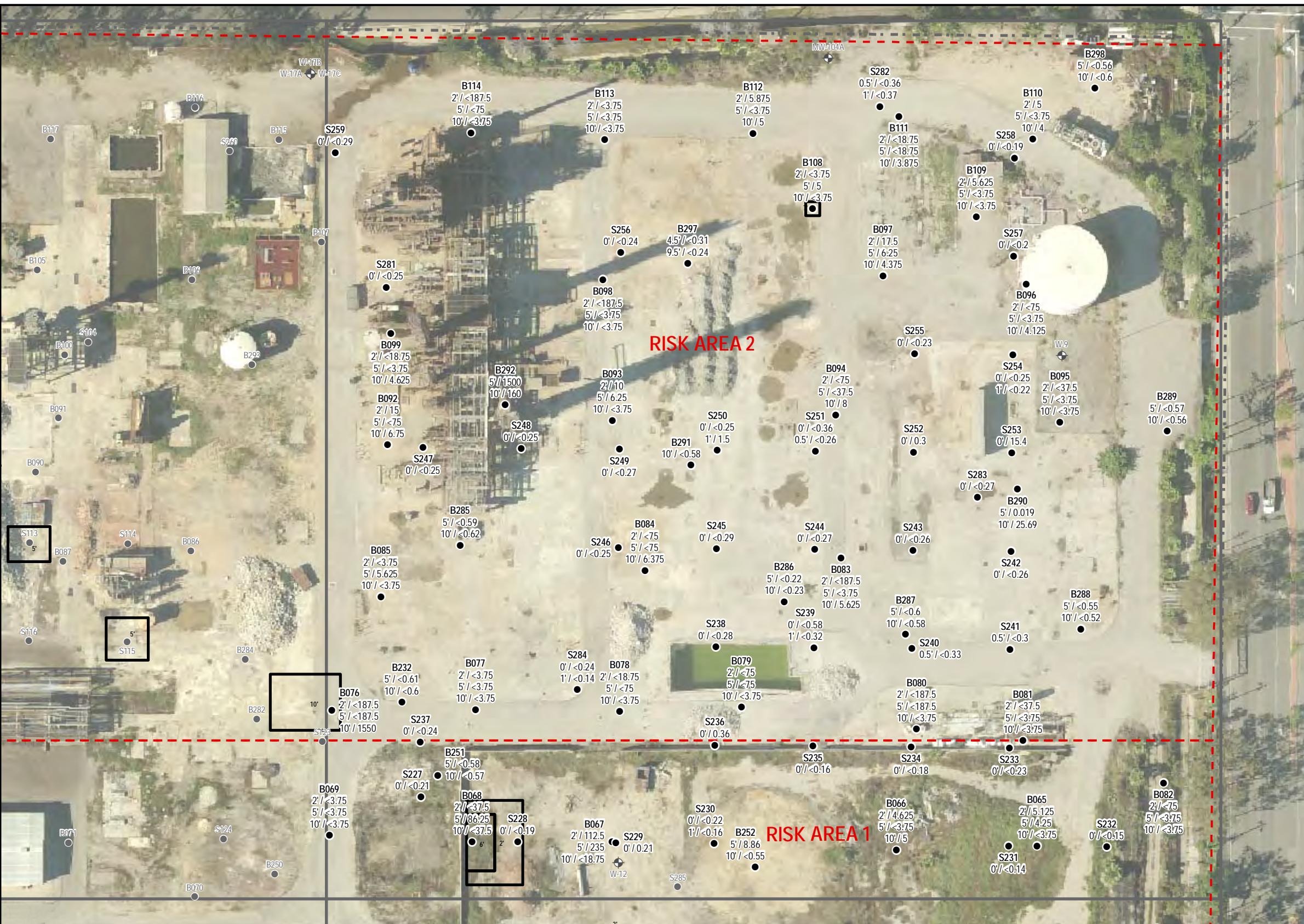
DATE: 10/31/13

FIGURE:
**ARSENIC
SUBSECTION C**

E2a







Legend

- Sample Location with ID
- Pilot Test Well Location with ID
- ▲ Monitoring Well location with ID
- Site Property/Boundary Line
- Risk Area Boundary
- Excavation Areas
- Analytical
- Detected Concentration Exceeds TRC
- Detected Concentration Below TRC

Notes

- 1) Location ID
Depth (ft) / Result (mg/kg)
- 2) Target Remediation Criterion (TRC)
TPHg - 2,500 mg/kg

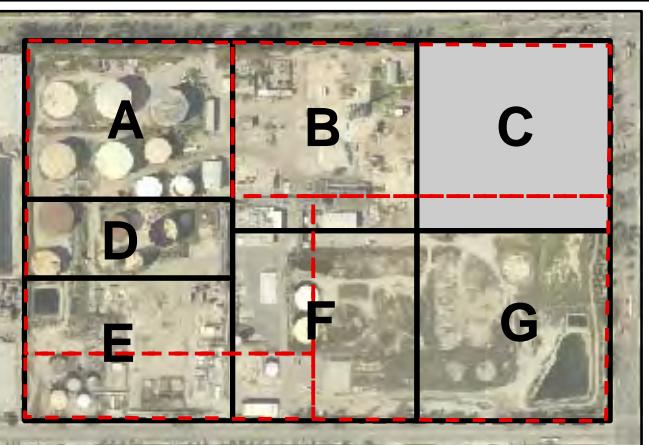
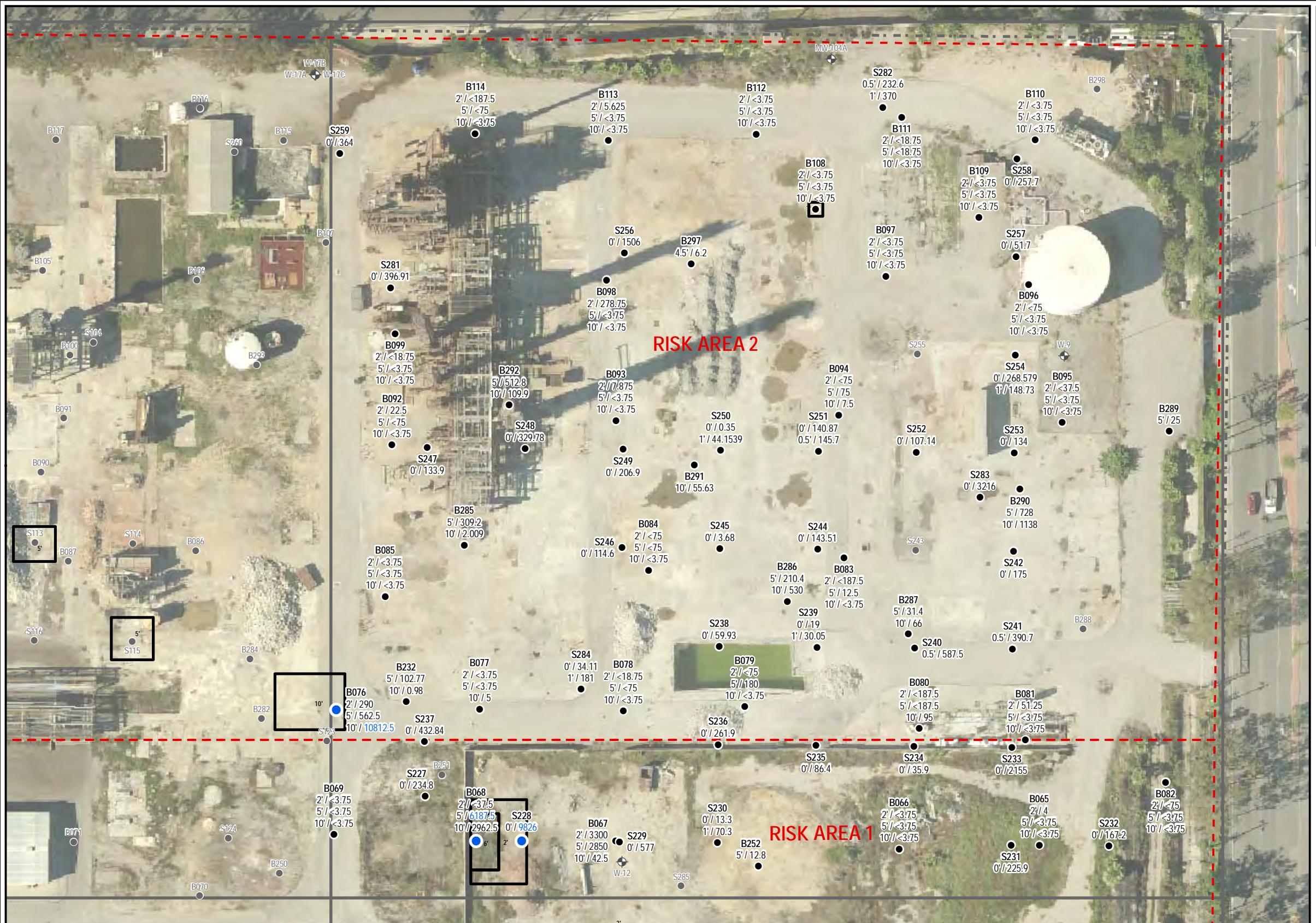


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**TPH GASOLINE
SUBSECTION C**

E2d



0 75 150

Feet

1 inch = 75 feet

Legend

- Sample Location with ID
 - Pilot Test Well Location with ID
 - ▲ Monitoring Well location with ID
 - - - Site Property/Boundary Line

— Excavation Areas

Analytical

 - Detected Concentration Exceeds TRC
 - Detected Concentration Below TRC

Notes

- 1) Location ID
Depth (ft) / Result (mg/kg)
 - 2) Target Remediation Criterion (TRC)
TPHd - 5,000 mg/kg

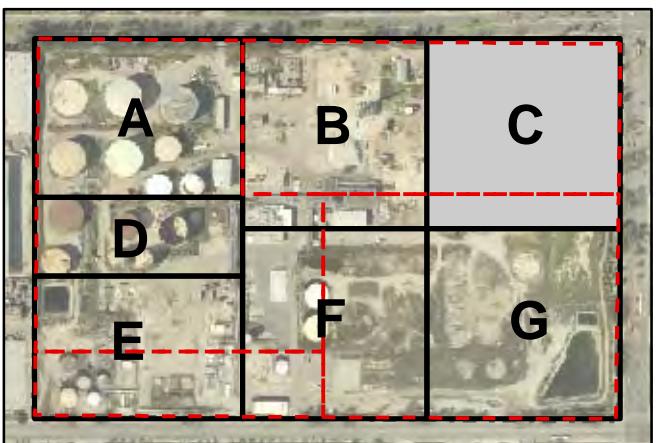
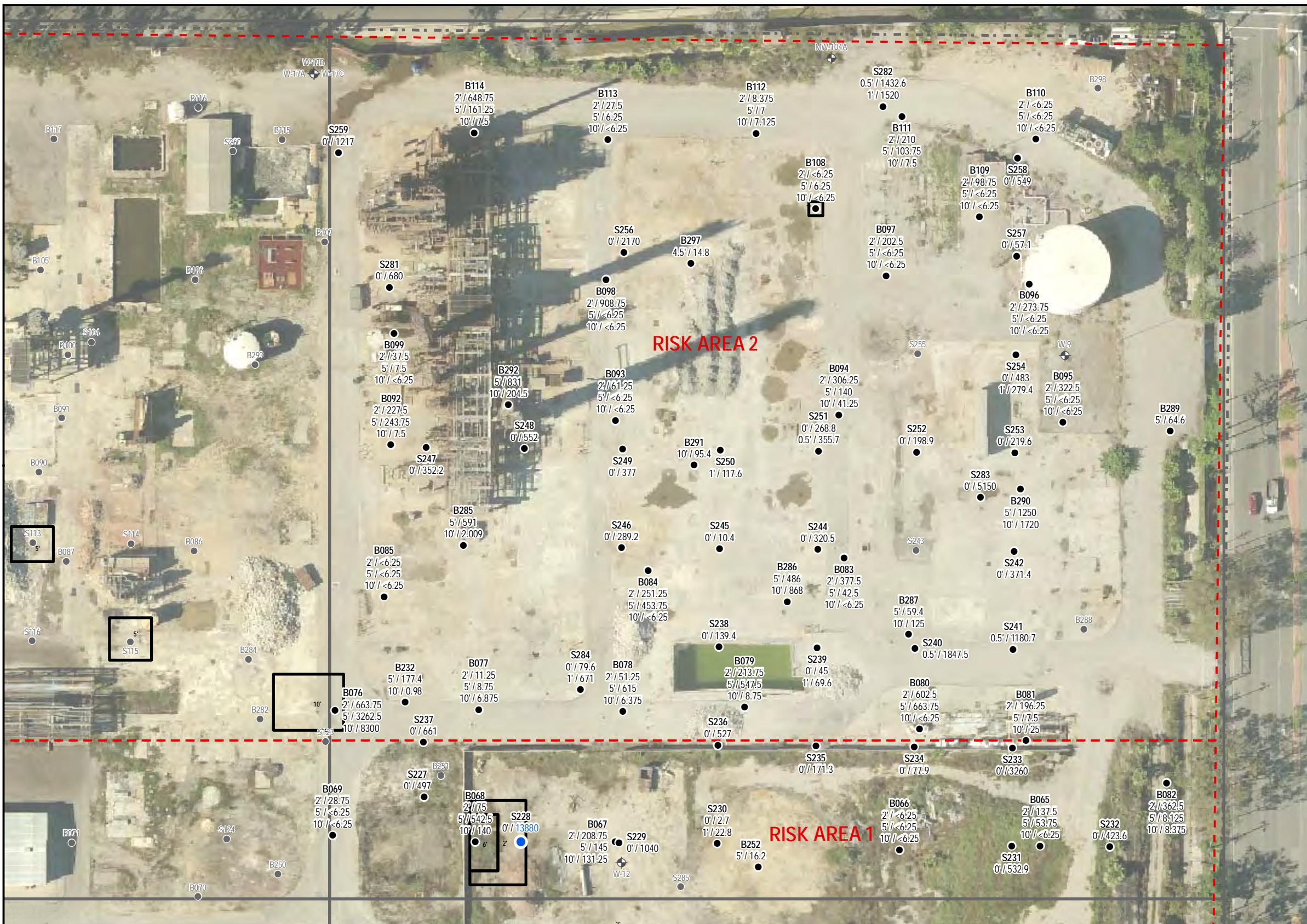


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FOR:
FORMER POWERINE REFINERY
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12345 LAKELAND ROAD
SANTA FE SPRINGS, CALIFORNIA

TPH DIESEL SUBSECTION C

FIGURE:

**Legend**

- Sample Location with ID
- Pilot Test Well Location with ID
- ▲ Monitoring Well location with ID
- - - Site Property/Boundary Line
- Excavation Areas
- Analytical
- Detected Concentration Exceeds TRC
- Detected Concentration Below TRC

Notes

- 1) Location ID
Depth (ft) / Result (mg/kg)
- 2) Target Remediation Criterion (TRC)
TPHmo - 10,000 mg/kg



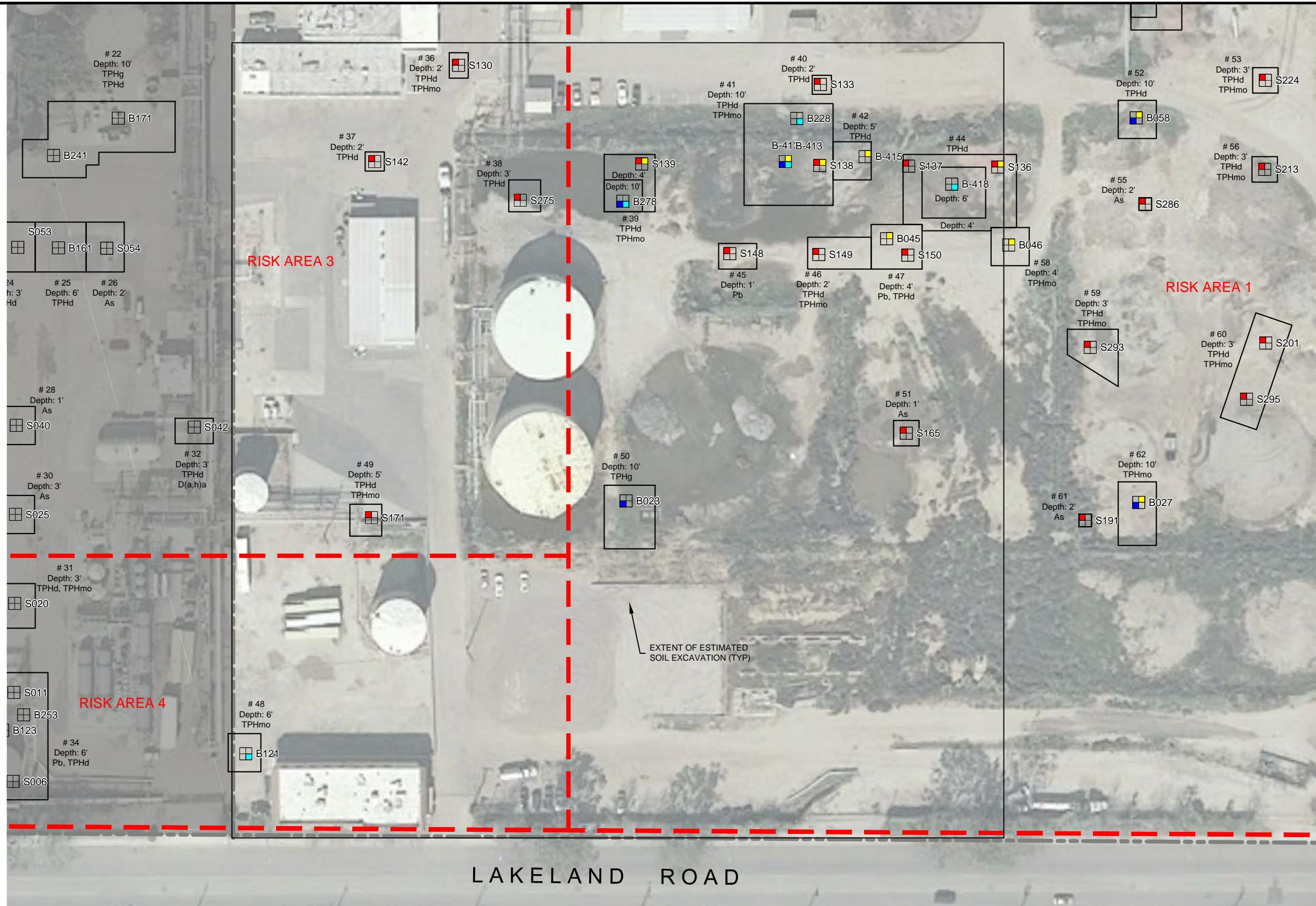
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JOB NUMBER: 185803065 DRAWN BY: TF CHECKED BY: RN APPROVED BY: RN DATE: 10/31/13

**TPH MOTOR OIL
SUBSECTION C**

E2f

0 75 150 Feet
1 inch = 75 feet



REFERENCE:

THIS FIGURE DERIVED FROM MUREX 2013. LOCATIONS ARE APPROXIMATE

LEGEND:

— SITE PROPERTY/BOUNDARY LINE
- - - REDEVELOPMENT AREA LINE

OVER REPORTING LIMIT 0.0' - 1.5' BGS OVER REPORTING LIMIT 1.5' - 3.0' BGS
S025 SAMPLE ID
OVER REPORTING LIMIT 6.0' - 10.5' BGS OVER REPORTING LIMIT 3.0' - 6.0' BGS



GRAY SHADED AREA IS FORMER REFINERY PROPERTY NOT ADDRESSED BY THIS RAP



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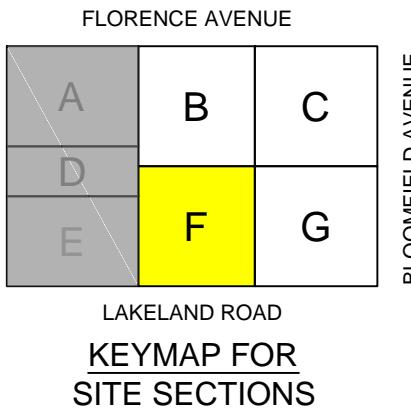
FOR:
FORMER POWERINE REFINERY
PARCELS 8000-022-053, 054, 055, 056, 057 & 058
13345 LAKELAND ROAD
SANTA FE SPRINGS, CALIFORNIA

JOB NUMBER: 185803065 DRAWN BY: JBL CHECKED BY: RN APPROVED BY: KM DATE: 08/13/13

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SITE PLAN SHOWING
SITE SECTION 'F' PROPOSED
SHALLOW SOIL EXCAVATION

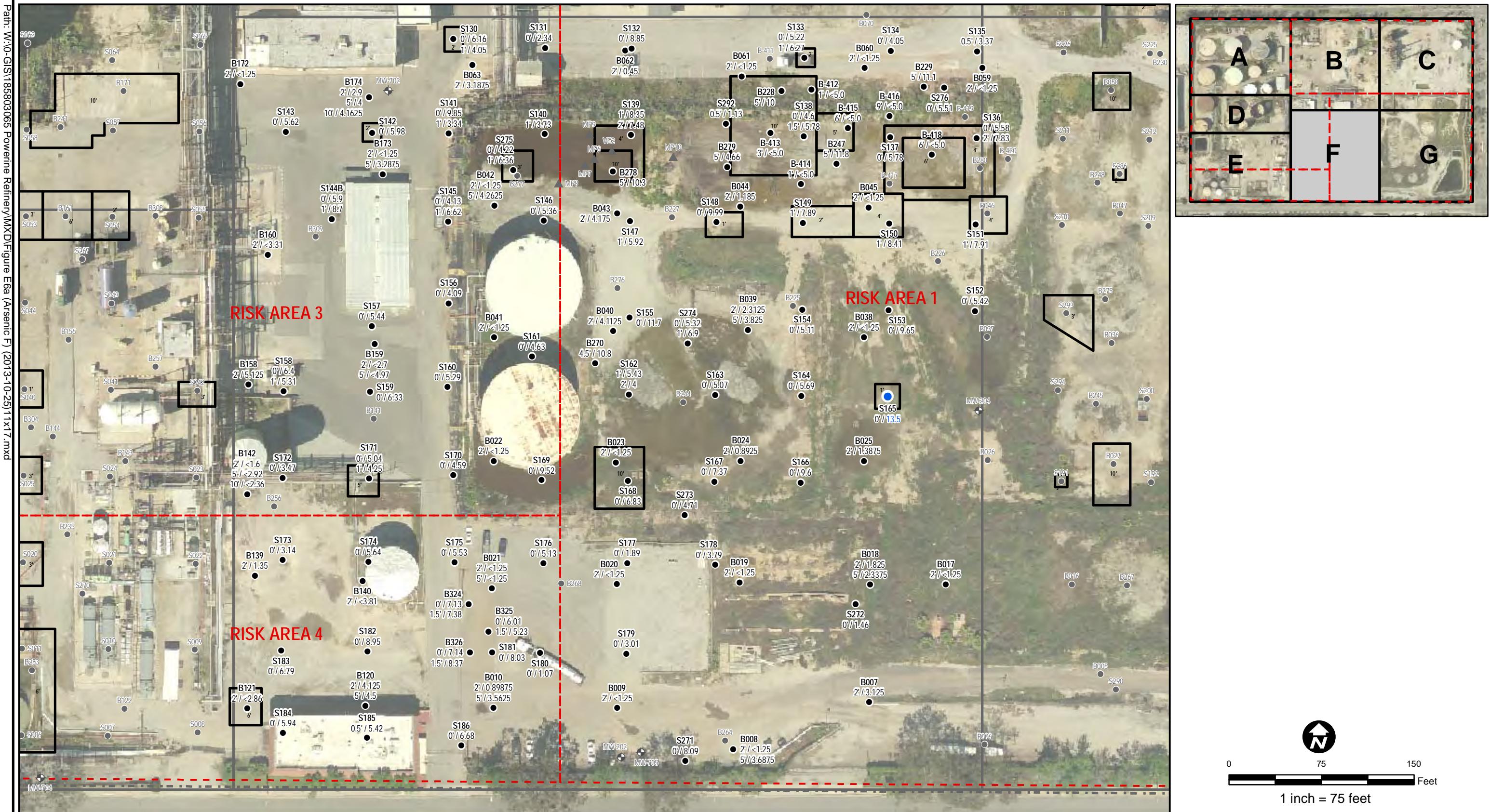
FIGURE:
E3



REPORTING LIMITS

ARSENIC (As)	≥ 13.0	mg/kg
BENZENE	≥ 4.0	mg/kg
DIBENZO (D(a,h)a)	≥ 0.6	mg/kg
LEAD (Pb)	≥ 320*	mg/kg
TPHg	≥ 2,500	mg/kg
TPHd	≥ 5,000	mg/kg
TPHmo	≥ 10,000	mg/kg

*SEE EXPLANATION IN SECTION 4.2


Legend

- Sample Location with ID
- Pilot Test Well Location with ID
- ▲ Monitoring Well location with ID
- - - Site Property/Boundary Line
- - - Risk Area Boundary
- Excavation Areas
- Analytical
- Detected Concentration Exceeds TRC
- Detected Concentration Below TRC

Notes

- 1) Location ID
Depth (ft) / Result (mg/kg)
- 2) Target Remediation Criterion (TRC)
Arsenic - 13.0 mg/kg



FOR:
FORMER POWERINE REFINERY
PARCELS 8009-022-053, 054, 055, 056, 057 & 058
12345 LAKELAND ROAD
SANTA FE SPRINGS, CALIFORNIA
25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE: (909) 335-6116 FAX: (909) 556-6516

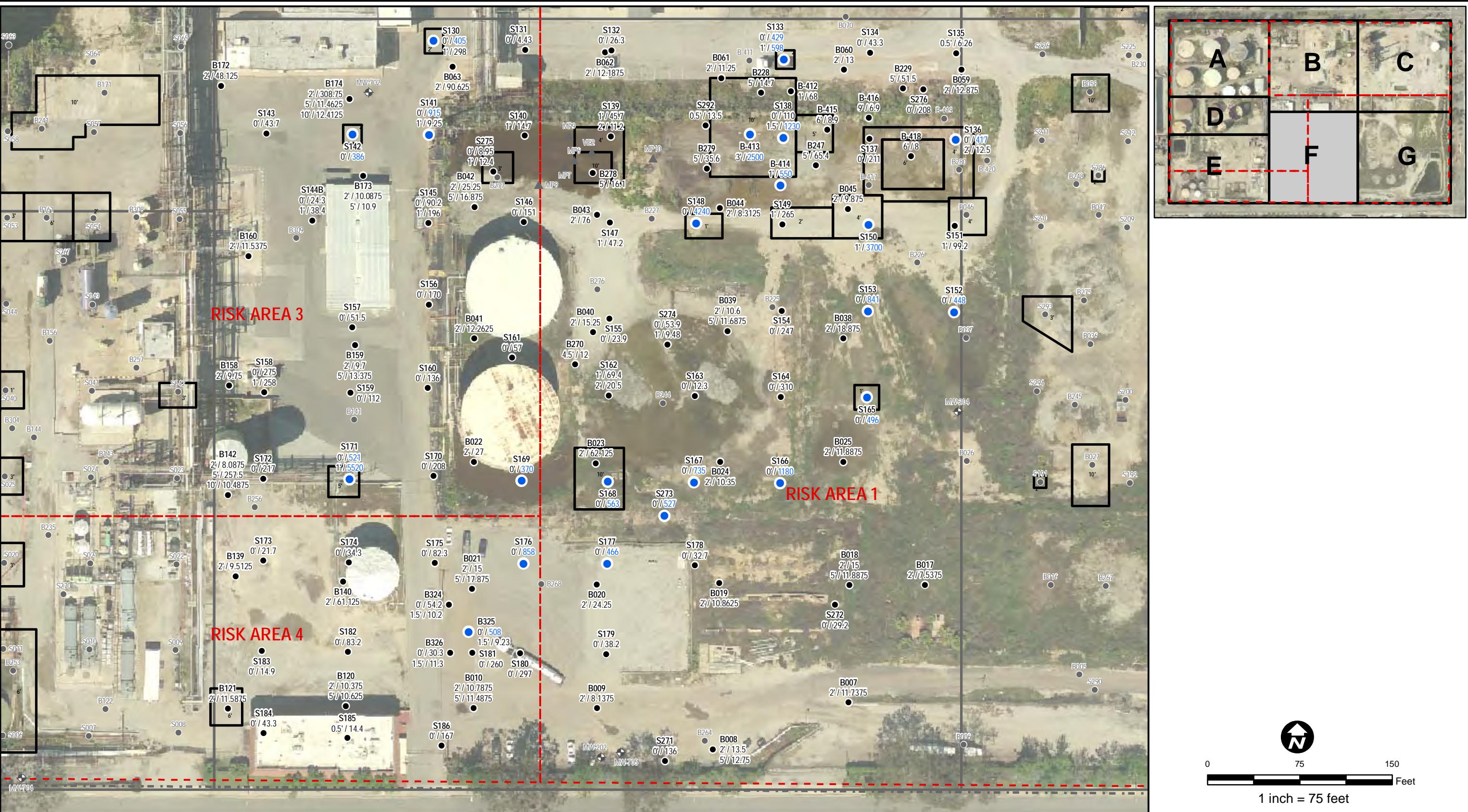
JOB NUMBER: 185803065

DRAWN BY: TF

CHECKED BY: RN

APPROVED BY: RN

FIGURE:
E3a
ARSENIC
SUBSECTION F
DATE:
10/31/13



Legend

- Sample Location with ID
- Pilot Test Well Location with ID
- ▲ Monitoring Well location with ID
- - - Site Property/Boundary Line
- Excavation Areas
- Analytical
- Detected Concentration Exceeds TRC
- Detected Concentration Below TRC

Notes

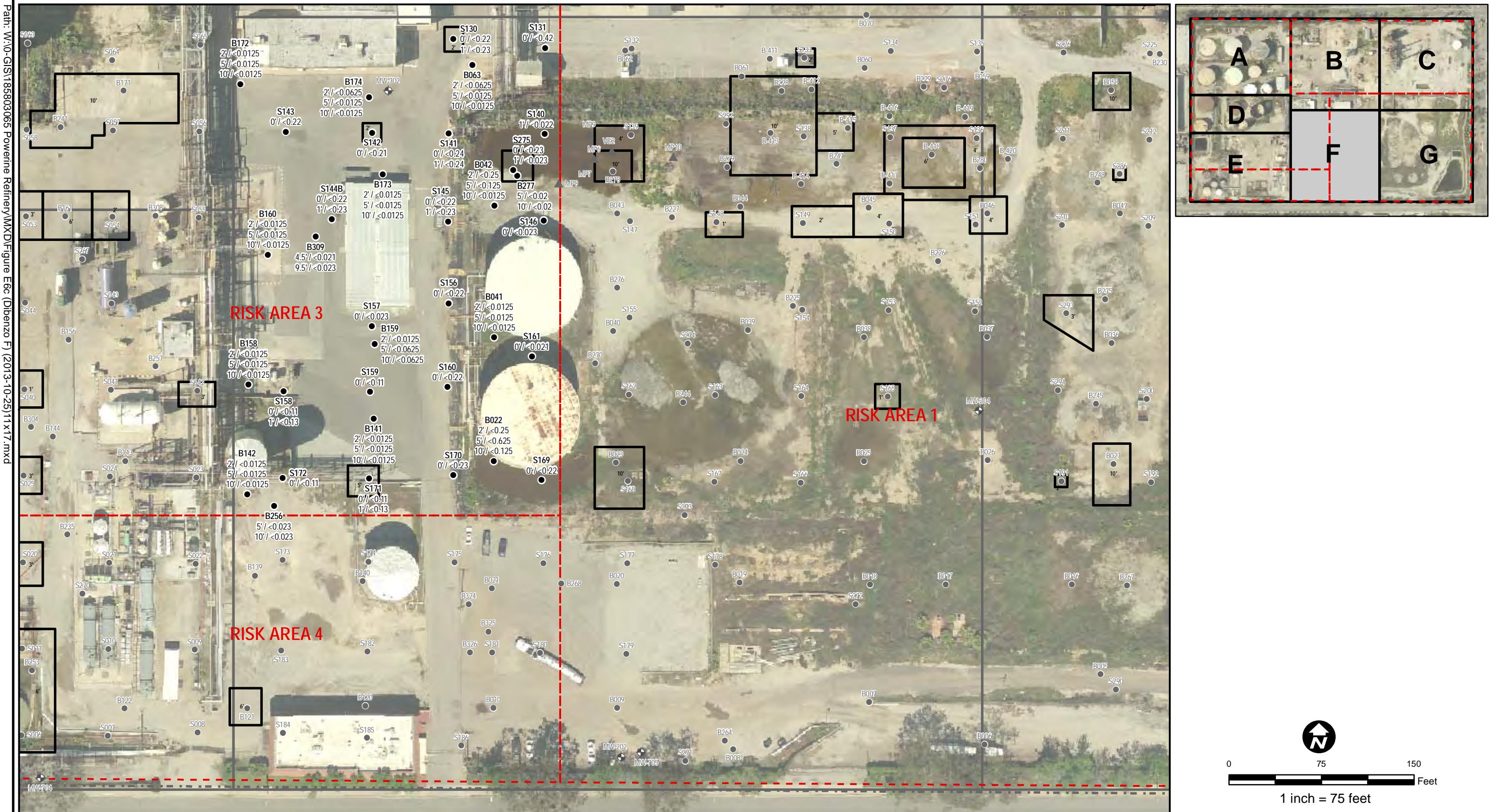
- Location ID
Depth (ft) / Result (mg/kg)
- Target Remediation Criterion (TRC)
Lead - 320 mg/kg



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**LEAD
SUBSECTION F**

**FIGURE:
E3b**


Legend

- Sample Location with ID
- Pilot Test Well Location with ID
- ▲ Monitoring Well location with ID
- - - Site Property/Boundary Line
- - - Risk Area Boundary
- Excavation Areas
- Analytical
- Detected Concentration Exceeds TRC
- Detected Concentration Below TRC

Notes

- 1) Location ID
Depth (ft) / Result (mg/kg)
- 2) Target Remediation Criterion (TRC)
Dibenzo (a,h) Anthracene - 0.6 mg/kg

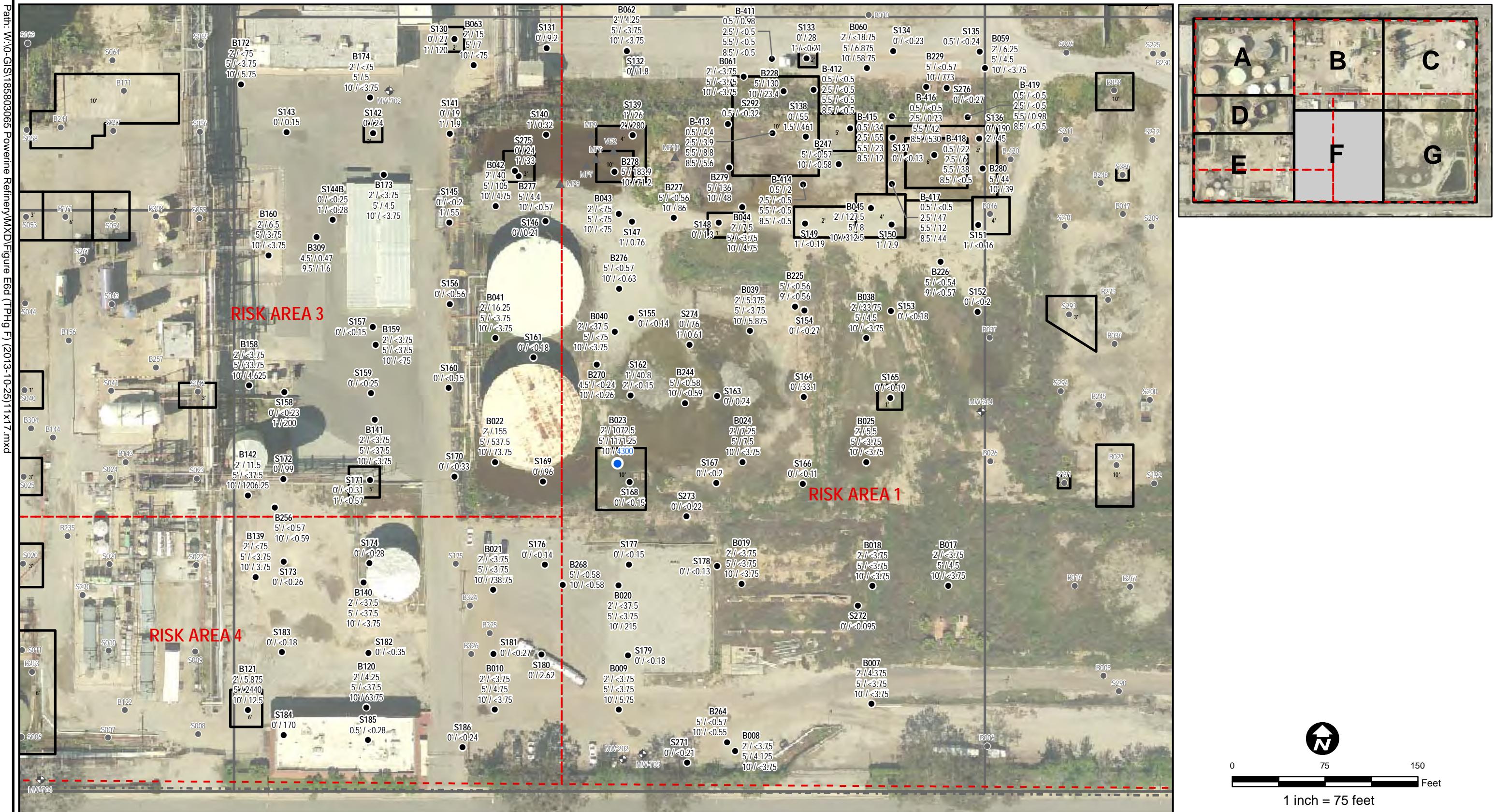


FOR:
FORMER POWERINE REFINERY
PARCELS 8009-022-053, 054, 055, 056, 057 & 058
12345 LAKELAND ROAD
SANTA FE SPRINGS, CALIFORNIA
25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE: (909) 335-6116 FAX: (909) 556-6516

FIGURE:
DIBENZO (A,H) ANTHRACENE SUBSECTION F

JOB NUMBER: 185803065	DRAWN BY: TF	CHECKED BY: RN	APPROVED BY: RN	DATE: 10/31/13
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E3C



Legend

- Sample Location with ID
- Pilot Test Well Location with ID
- ▲ Monitoring Well location with ID
- - - Site Property/Boundary Line
- - - Risk Area Boundary
- Excavation Areas
- Analytical
- Detected Concentration Exceeds TRC
- Detected Concentration Below TRC

Notes

- 1) Location ID
Depth (ft) / Result (mg/kg)
- 2) Target Remediation Criterion (TRC)
TPHg - 2,500 mg/kg

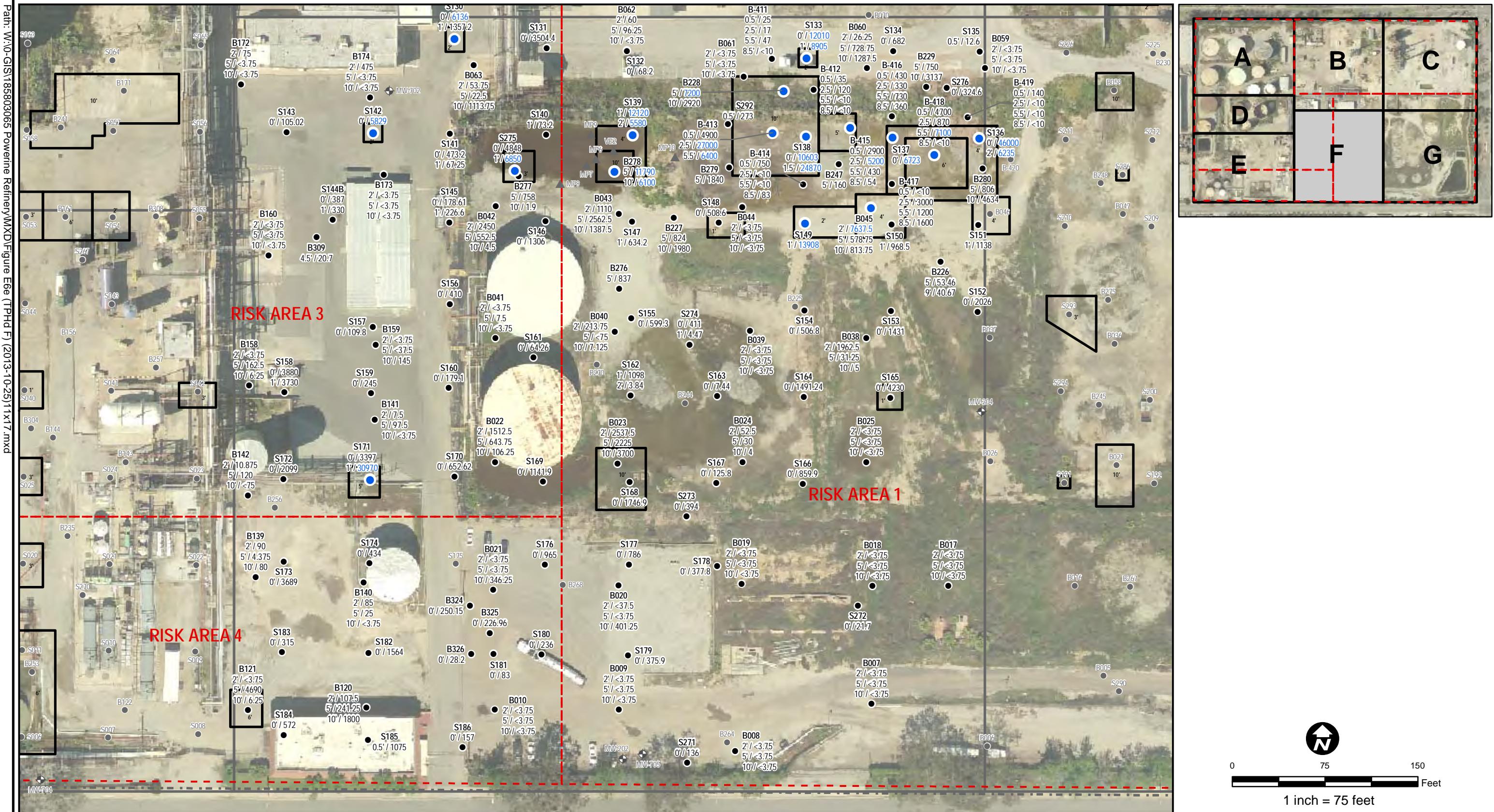


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FOR:
FORMER POWERINE REFINERY
PARCELS 8009-022-053, 054, 055, 056, 057 & 058
12345 LAKELAND ROAD
SANTA FE SPRINGS, CALIFORNIA

JOB NUMBER: 185803065 DRAWN BY: TF CHECKED BY: RN APPROVED BY: RN DATE: 10/31/13



Legend

- Sample Location with ID
- Pilot Test Well Location with ID
- ▲ Monitoring Well location with ID
- - - Site Property/Boundary Line
- - - Risk Area Boundary
- Excavation Areas
- Analytical
- Detected Concentration Exceeds TRC
- Detected Concentration Below TRC

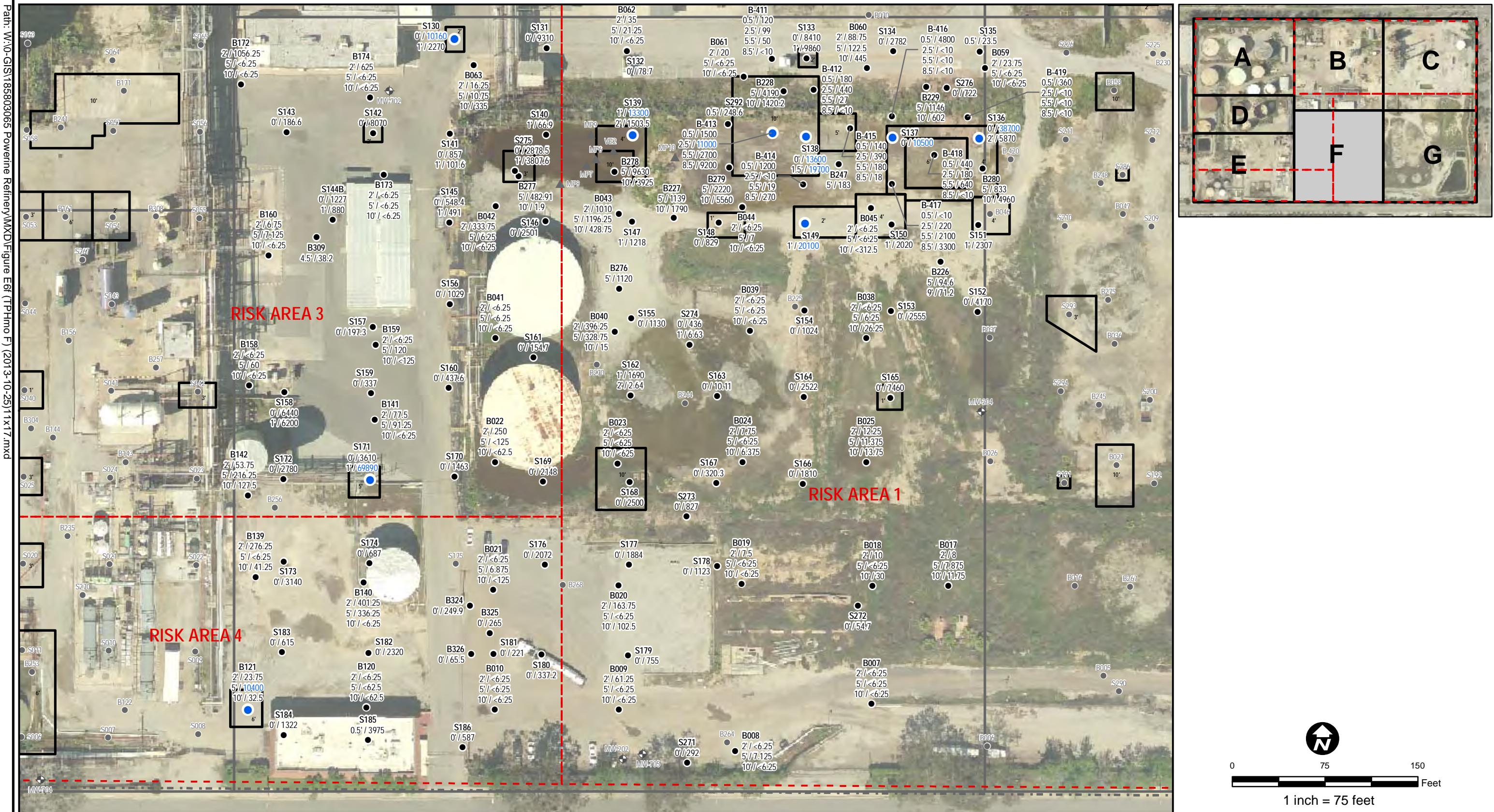
Notes

- Location ID
Depth (ft) / Result (mg/kg)
- Target Remediation Criterion (TRC)
TPHD - 5,000 mg/kg



FOR:
FORMER POWERINE REFINERY
PARCELS 8009-022-053, 054, 055, 056, 057 & 058
12345 LAKELAND ROAD
SANTA FE SPRINGS, CALIFORNIA

JOB NUMBER: 185803065 DRAWN BY: TF CHECKED BY: RN APPROVED BY: RN DATE: 10/31/13


Legend

- Sample Location with ID
- Pilot Test Well Location with ID
- ▲ Monitoring Well location with ID
- - - Site Property/Boundary Line
- Excavation Areas
- Analytical
- Detected Concentration Exceeds TRC
- Detected Concentration Below TRC

Notes

- Location ID
Depth (ft) / Result (mg/kg)
- Target Remediation Criterion (TRC)
TPHmo - 10,000 mg/kg



FOR:
FORMER POWERINE REFINERY
PARCELS 8009-022-053, 054, 055, 056, 057 & 058
12345 LAKELAND ROAD
SANTA FE SPRINGS, CALIFORNIA
25864-F BUSINESS CENTER DRIVE
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JOB NUMBER: 185803065 DRAWN BY: TF

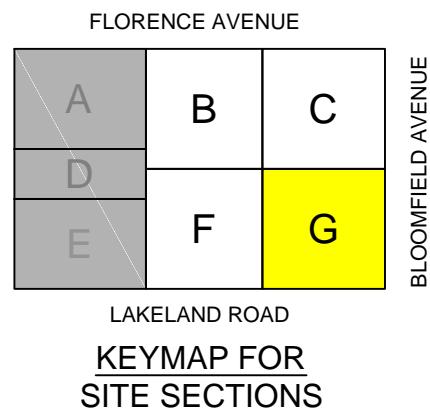
CHECKED BY: RN

APPROVED BY: RN

DATE: 10/31/13

**TPH MOTOR OIL
SUBSECTION F**

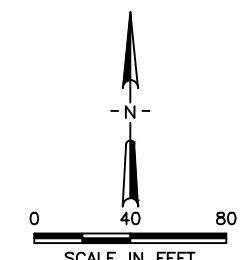
**FIGURE:
E3f**



REPORTING LIMITS

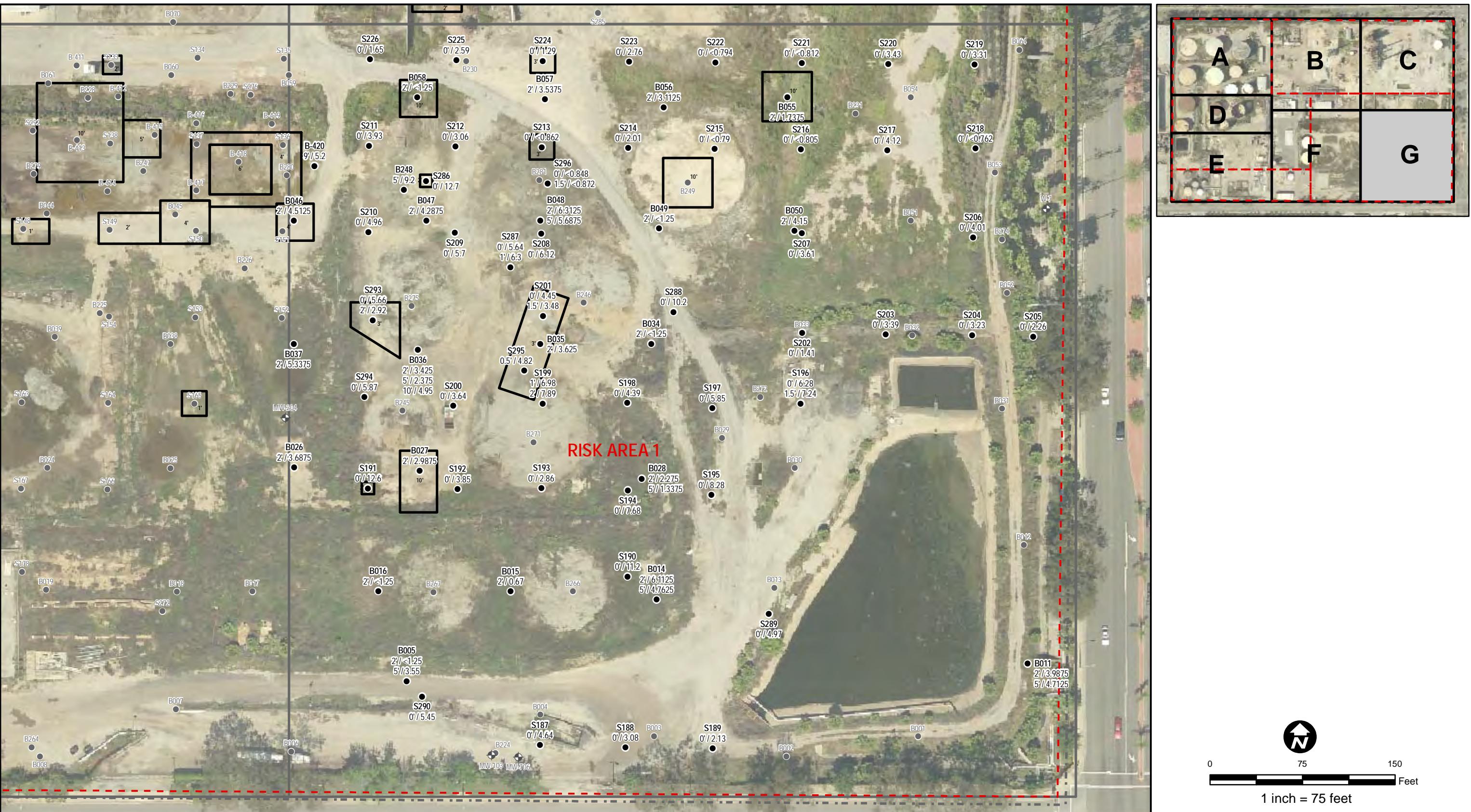
ARSENIC (As)	\geq	13.0	mg/kg
BENZENE	\geq	4.0	mg/kg
DIBENZO (D(a,h)a)	\geq	0.6	mg/kg
LEAD (Pb)	\geq	320*	mg/kg
TPHg	\geq	2,500	mg/kg
TPHd	\geq	5,000	mg/kg
TPHmo	\geq	10,000	mg/kg

*SEE EXPLANATION IN SECTION 4.2



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FOR: FORMER POWERINE REFINERY PARCELS 8009-022-053, 054, 055, 056, 057 & 058 13345 LAKELAND ROAD SANTA FE SPRINGS, CALIFORNIA	JOB NUMBER: 185803065	DRAWN BY: JBL	CHECKED BY: RN
APPROVED BY: KM	DATE: 08/13/13	FIGURE: E4	
SITE PLAN SHOWING SITE SECTION 'G' PROPOSED SHALLOW SOIL EXCAVATION			





Legend

- Sample Location with ID
- Pilot Test Well Location with ID
- ▲ Monitoring Well location with ID
- - - Site Property/Boundary Line
- - - Risk Area Boundary
- Excavation Areas
- Analytical
- Detected Concentration Exceeds TRC
- Detected Concentration Below TRC

Notes

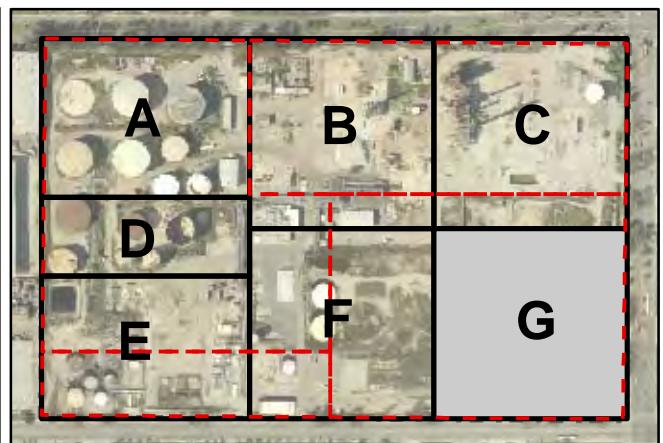
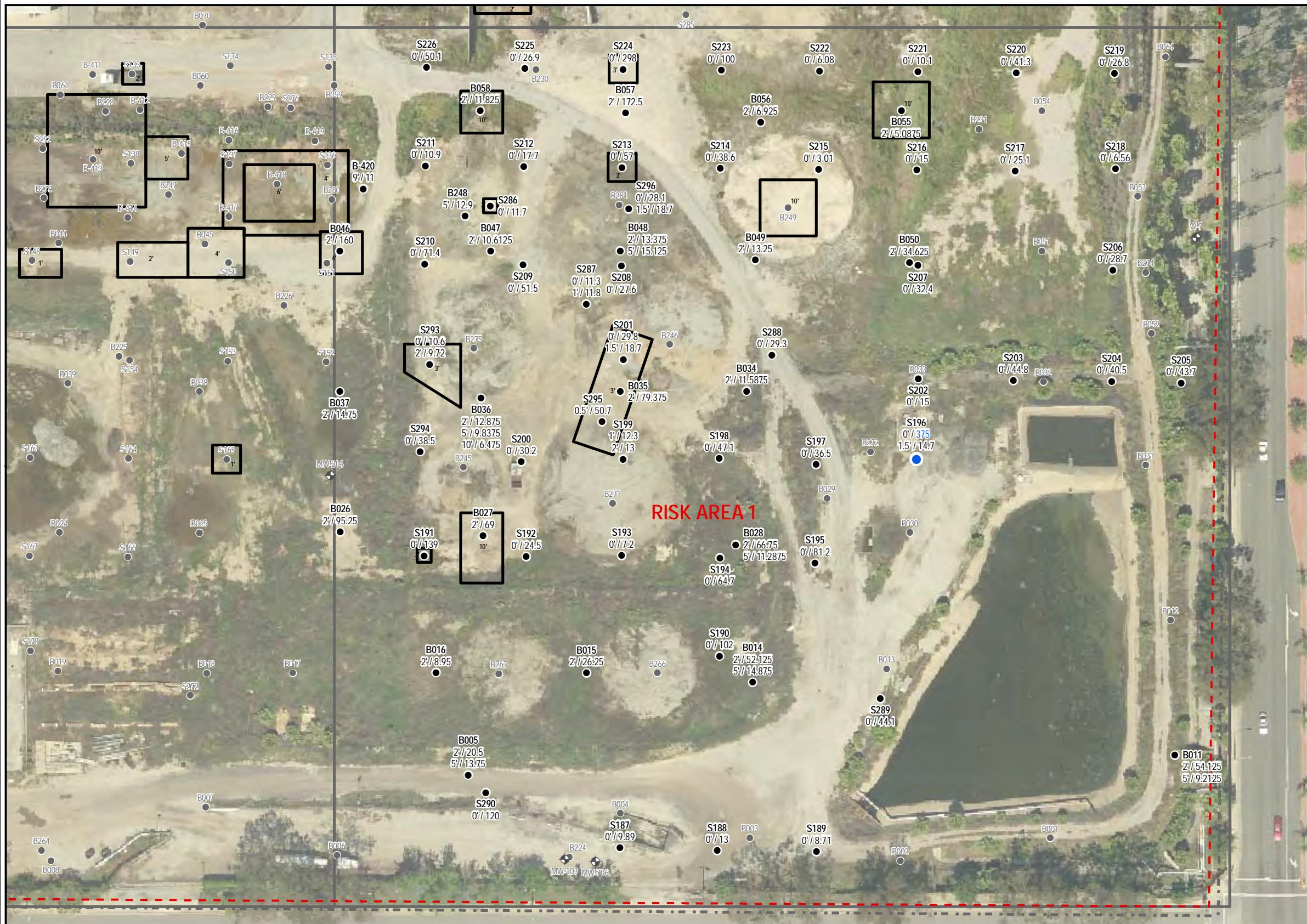
- 1) Location ID
Depth (ft) / Result (mg/kg)
- 2) Target Remediation Criterion (TRC)
Arsenic - 13.0 mg/kg



FOR:
FORMER POWERINE REFINERY
PARCELS 8009-022-053, 054, 055, 056, 057 & 058
12345 LAKELAND ROAD
SANTA FE SPRINGS, CALIFORNIA
25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE: (909) 335-6116 FAX: (909) 556-6516

FIGURE:
ARSENIC
SUBSECTION G
E4a

JOB NUMBER: 185803065	DRAWN BY: TF	CHECKED BY: RN	APPROVED BY: RN	DATE: 10/31/13
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Legend

- Sample Location with ID
- Pilot Test Well Location with ID
- ▲ Monitoring Well location with ID
- - - Site Property/Boundary Line
- - - Risk Area Boundary
- Excavation Areas
- Analytical
- Detected Concentration Exceeds TRC
- Detected Concentration Below TRC

Notes

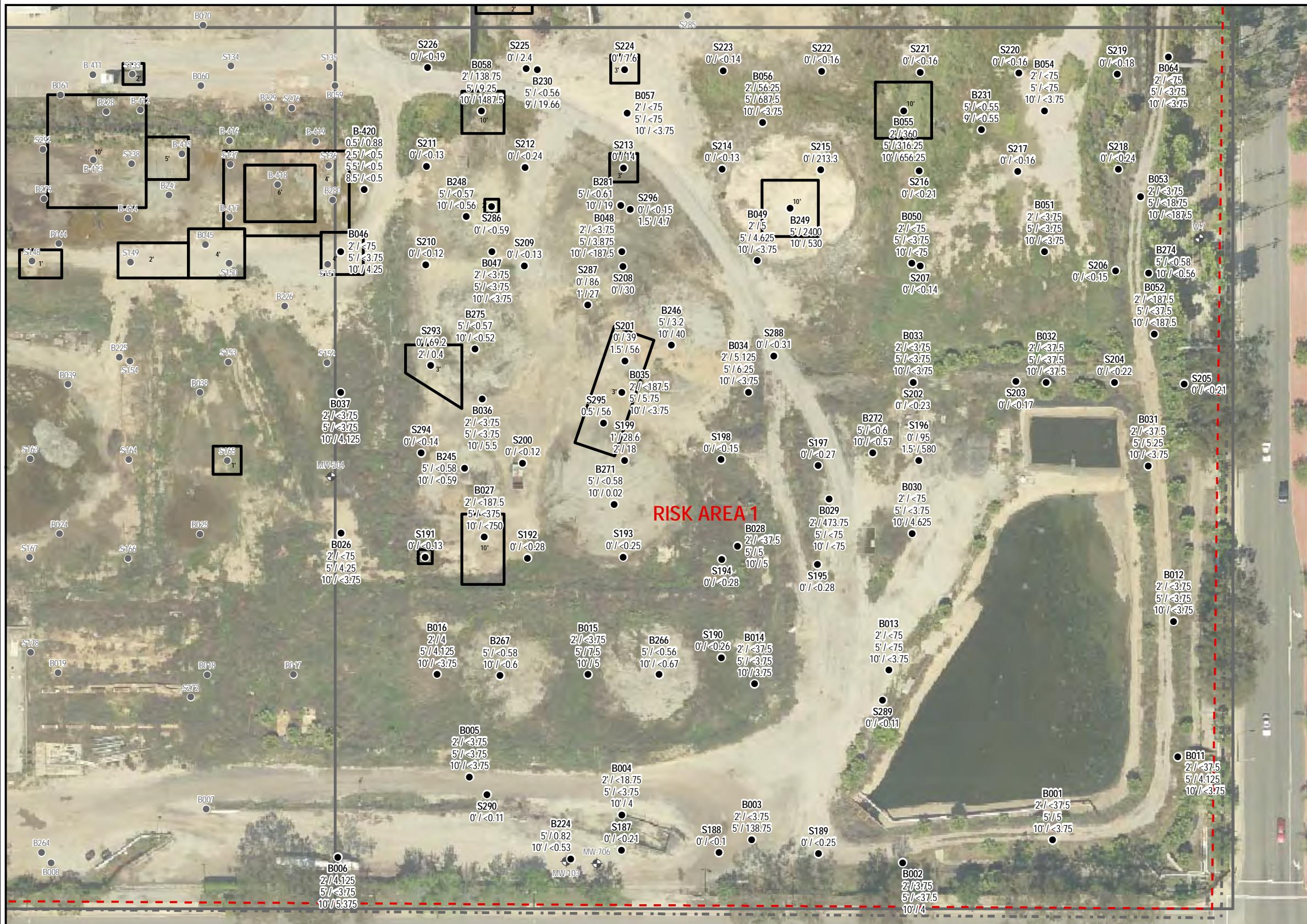
- 1) Location ID
Depth (ft) / Result (mg/kg)
- 2) Target Remediation Criterion (TRC)
Lead - 320 mg/kg

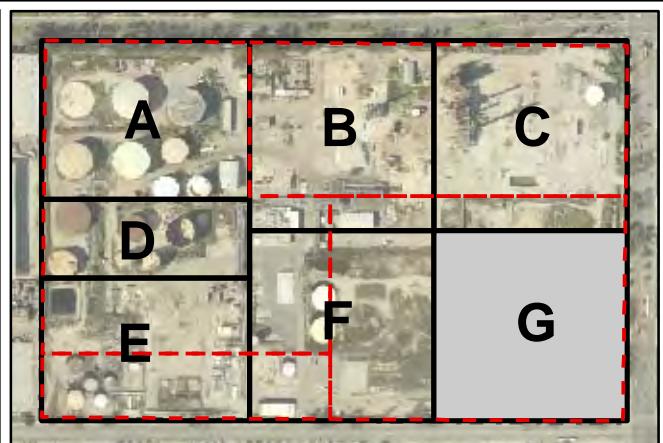
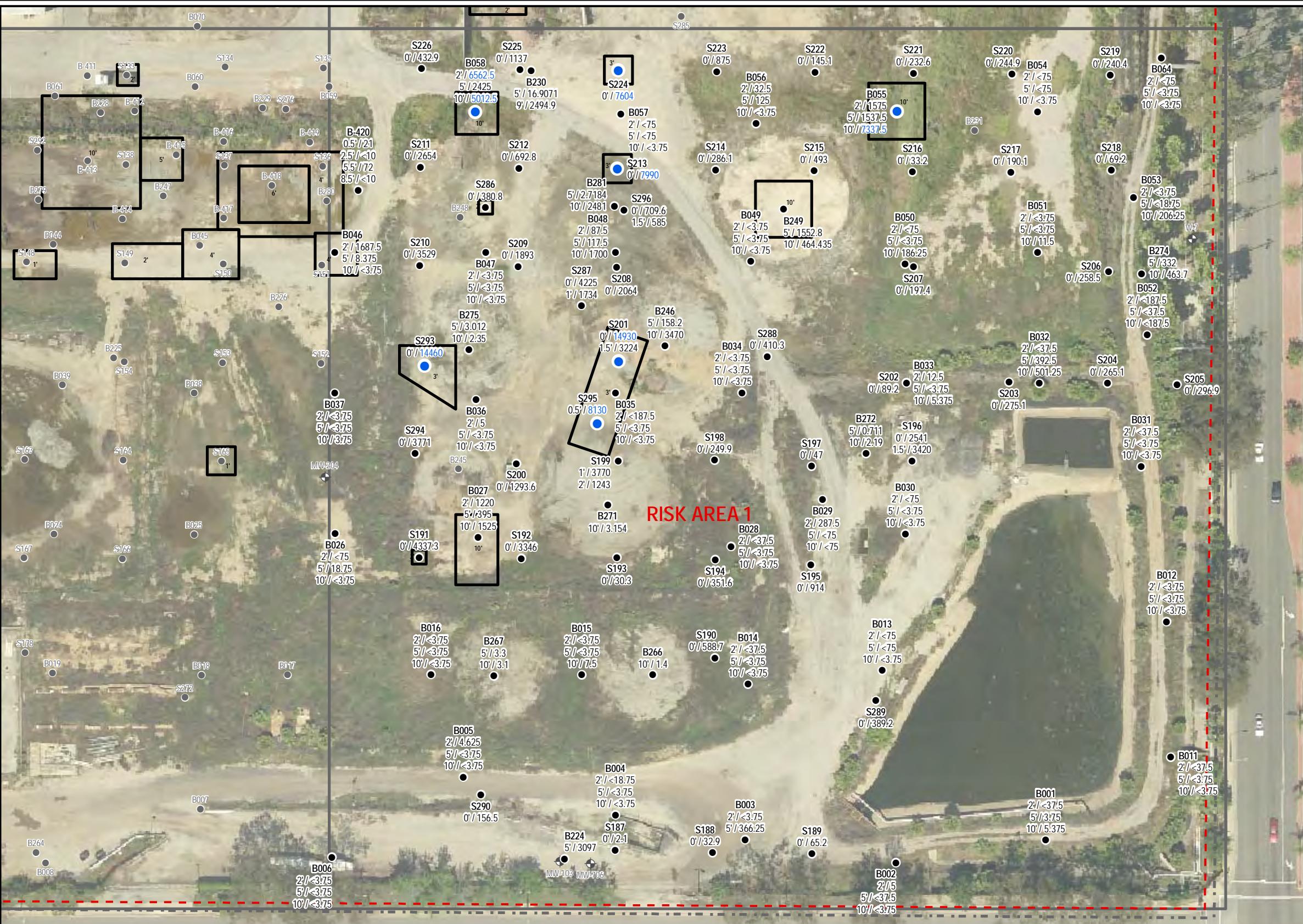


FOR:
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12345 LAKELAND ROAD
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25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
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FIGURE:
LEAD
SUBSECTION G
E4b

JOB NUMBER:	185803065	DRAWN BY:	TF	CHECKED BY:	RN	APPROVED BY:	RN	DATE:	10/31/13
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Legend

- Sample Location with ID
- Pilot Test Well Location with ID
- ▲ Monitoring Well location with ID
- - - Site Property/Boundary Line
- Excavation Areas
- Analytical
- Detected Concentration Exceeds TRC
- Detected Concentration Below TRC

Notes

- 1) Location ID
Depth (ft) / Result (mg/kg)
- 2) Target Remediation Criterion (TRC)
TPHd - 5,000 mg/kg

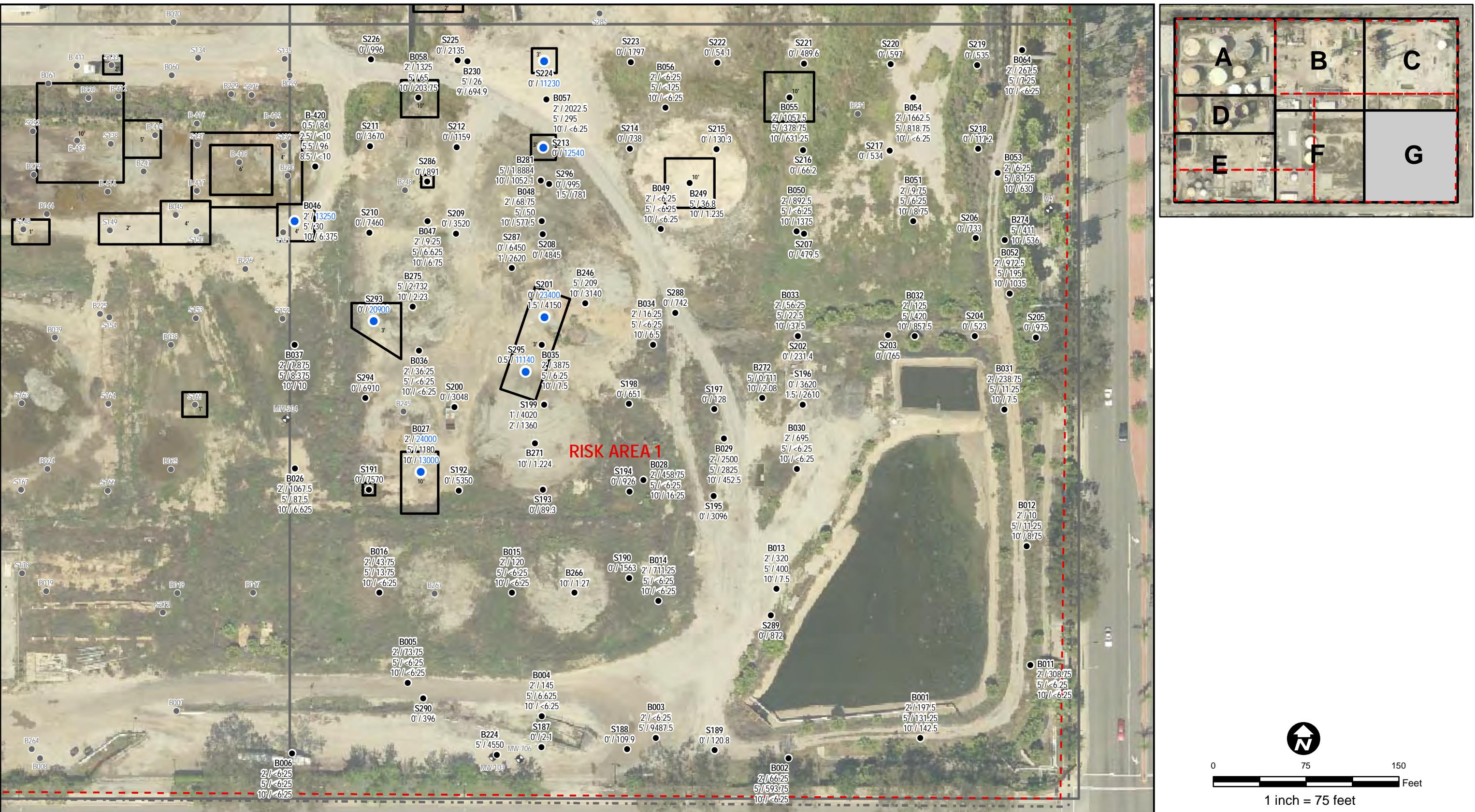


FOR:
FORMER POWERINE REFINERY
PARCELS 8009-022-053, 054, 055, 056, 057 & 058
12345 LAKELAND ROAD
SANTA FE SPRINGS, CALIFORNIA
25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
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JOB NUMBER: 185803065 DRAWN BY: TF CHECKED BY: RN APPROVED BY: RN DATE: 10/24/13

**TPH DIESEL
SUBSECTION G**

**FIGURE:
E4d**



Legend

- Sample Location with ID
- Pilot Test Well Location with ID
- ▲ Monitoring Well location with ID
- - - Site Property/Boundary Line
- - - Risk Area Boundary
- Excavation Areas
- Analytical
- Detected Concentration Exceeds TRC
- Detected Concentration Below TRC

Notes

- 1) Location ID
Depth (ft) / Result (mg/kg)
- 2) Target Remediation Criterion (TRC)
TPHmo - 10,000 mg/kg



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REDLANDS, CALIFORNIA 92374
PHONE: (909) 335-6116 FAX: (909) 556-6516

FOR:
FORMER POWERINE REFINERY
PARCELS 8009-022-053, 054, 055, 056, 057 & 058
12345 LAKELAND ROAD
SANTA FE SPRINGS, CALIFORNIA

JOB NUMBER: 185803065

DRAWN BY: TF

CHECKED BY: RN

APPROVED BY: RN

DATE: 10/31/13

FIGURE:
E4e